Clinical Laboratory Sciences (CLS)

CLS 49010  CLINICAL MICROBIOLOGY: THEORY  4 Credit Hours
Theoretical consideration of laboratory isolation, cultivation, identification and characterization of pathogenic microorganisms.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 8 other
Grade Mode: Standard Letter-IP

CLS 49011  CLINICAL MICROBIOLOGY: APPLICATIONS  4 Credit Hours
Applied and practical considerations of theoretical aspects of laboratory isolation, cultivation, identification and characterization of pathogenic microorganisms. Letter grades and ip.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 8 other
Grade Mode: Standard Letter-IP

CLS 49012  CLINICAL IMMUNOLOGY: THEORY  1 Credit Hour
Theoretical considerations of laboratory practices involving quantitation and detection of antigens and antibodies and the significance of these findings in pathological states.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49013  CLINICAL IMMUNOLOGY: APPLICATIONS  1 Credit Hour
Applied and practical consideration of laboratory practices in immunology and serology relating to diagnosis of disease states.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49014  CLINICAL MYCOLOGY: THEORY AND APPLICATIONS  1 Credit Hour
Theoretical, applied and practical consideration of the isolation, identification and characterization of pathogenic fungi and their relation to human disease states.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49015  CLINICAL PARASITOLOGY: THEORY AND APPLICATIONS  1 Credit Hour
Theoretical, applied and practical considerations of the isolation, identification and characterization of human parasites and their relations to pathological conditions.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49020  CLINICAL CHEMISTRY: THEORY  4 Credit Hours
Theoretical considerations of the principles of clinical chemistry relating to the identification and quantitation of biologically important substances in blood and other body fluids.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 8 other
Grade Mode: Standard Letter-IP

CLS 49021  CLINICAL CHEMISTRY: APPLICATIONS  3 Credit Hours
Applied and practical considerations of clinical chemistry principles relating to significant changes in body fluids as the result of pathologic conditions.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 6 other
Grade Mode: Standard Letter-IP

CLS 49022  URINALYSIS: THEORY  1 Credit Hour
Theoretical considerations of the physiological activities of the renal system together with laboratory principles of analysis of urine and other body fluids.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49023  URINALYSIS: APPLICATIONS  1 Credit Hour
Applied and practical considerations of laboratory practices in urine and other body fluid analysis as aids in diagnosis of disease.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP

CLS 49030  IMMUNOHEMATOLOGY: THEORY  2 Credit Hours
Theoretical consideration of laboratory procedures involved in blood grouping and typing; identification of blood group antigens and antibodies collection and preparation of blood for transfusion.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 4 other
Grade Mode: Standard Letter-IP

CLS 49031  IMMUNOHEMATOLOGY: APPLICATIONS  2 Credit Hours
Applied and practical consideration of laboratory methods for the administration of blood and its components.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 4 other
Grade Mode: Standard Letter-IP

CLS 49032  COAGULATION: THEORY AND APPLICATIONS  1 Credit Hour
Theoretical consideration of the coagulation mechanism and its relation to pathological states; identification of abnormalities and deficiencies.
Prerequisite: Medical technology (MEDT) major.
Schedule Type: Clinic
Contact Hours: 2 other
Grade Mode: Standard Letter-IP
CLS 49033 CLINICAL HEMATOLOGY: THEORY  2 Credit Hours
Theoretical considerations of the development of formed elements; identification of marrow and blood cells; study of normal and abnormal cellular blood components.
**Prerequisite:** Medical technology (MEDT) major.
**Schedule Type:** Clinic
**Contact Hours:** 4 other
**Grade Mode:** Standard Letter-IP

CLS 49034 CLINICAL HEMATOLOGY: APPLICATIONS  2 Credit Hours
Applied and practical consideration of laboratory methods and procedures in identification and enumeration of normal and abnormal formed elements of blood.
**Prerequisite:** Medical technology (MEDT) major.
**Schedule Type:** Clinic
**Contact Hours:** 4 other
**Grade Mode:** Standard Letter-IP

CLS 49040 TOPICS IN LABORATORY MANAGEMENT  1 Credit Hour
Consideration of topics relating to safety, education, personnel, budgeting, scheduling and medical legal problems. Repeatable for a total of 4 hours.
**Prerequisite:** Medical technology (MEDT) major.
**Schedule Type:** Clinic
**Contact Hours:** 2 other
**Grade Mode:** Standard Letter-IP

CLS 49095 SPECIAL TOPICS IN MEDICAL TECHNOLOGY  1-4 Credit Hours
(Repeatable for a maximum of 4 credit hours)Topical consideration of special techniques encountered in nuclear medicine, cytology, cytogenetics, virology, toxicology and special instrumentation.
**Prerequisite:** Medical technology (MEDT) major.
**Schedule Type:** Clinic
**Contact Hours:** 2-8 other
**Grade Mode:** Standard Letter-IP