CLINICAL LABORATORY SCIENCES (CLSC)

CLSC 4390 Hematology. (Formerly 390) Study of blood and bone marrow cells including the enumeration, identification, and classification of these cells. Comparison of normal structure and function versus the abnormal and malignant states in platelet, red cell, and white cells series. Includes lab. 5 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4391 Clinical Microbiology. (Formerly 391) The various techniques, including Molecular Biology methodologies, involved in identification of normal human flora, the study and isolation techniques of aerobic and anaerobic pathogens, mycobacteria and viruses, and their relationship to disease. Includes lab. 6 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4392 Clinical Biochemistry. (Formerly 392) The application of the principles of medical biochemistry and physiology related to the methodology and evaluation of clinical chemistry procedures. The correlation of chemistry data to disease manifestations. Includes lab. 8 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4393 Immunoserology. (Formerly 393) Study of the principles and procedures involved in the humoral-and cell-mediated reaction in normal and abnormal states; including deficiency states, infectious states, autoimmune disease and transplatation. Includes lab. 3 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4394 Immunohematology. (Formerly 394) Study of the many human blood antigens and antibodies, their identification by various standard techniques, cross-matching for transfusions and component therapy. Procurement and preparation of blood products and dispensing. Includes lab. 4 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4395 Clinical Microscopy/Urinalysis. (Formerly 395) Study of principles and procedures of qualitative and quantitative urinalysis as related to renal function in health and disease. Examination of urine and other body fluids to correlate laboratory data to disease manifestations. Includes lab. 2 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4396 Coagulation. (Formerly 396) Study of the coagulation mechanisms found in the normal and disease states, coagulation testing procedures, and their use in diagnosing bleeding disorders and hypercoagulable states. Includes lab. 2 semester credit hour/s. Department Consent Required.
Campus: LISLE

CLSC 4397 Special Topics. (Formerly 397) Designed to broaden the background of the medical technology students. 2 semester credit hour/s. Course Repeatable. Maximum number of units allowed: 4. Department Consent Required.
Designation: Engaged Learning
Campus: LISLE