

LABORATORY SCIENCES (LS)

LS 301: Molecular Biology

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lecture, On-Line, Seminar

LS 302: Fund Clin & Experimental Tech

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture

LS 303: Fund Clinical & Exp Techniques

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture

LS 304: Biochemistry

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Exam, Lecture, On-Line

LS 310: Intro to Molecular Diagnostics

Course focuses on the techniques, procedures and protocols, as well as the fundamental concepts, of assays used in the clinical molecular laboratory. These assays analyze DNA and RNA isolated from human specimens in order to diagnose human disease. Topics covered include DNA extraction, polymerase chain reaction (PCR), electrophoresis, DNA sequencing, DNA fingerprinting, and other assays for detection of unique DNA or RNA sequences. Laboratory sessions cover contemporary procedures for diagnostic testing including DNA isolation, real-time quantitative PCR, DNA fingerprinting, and electrophoresis.

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

LS 311: Functional Histology

Credits: 2.5

College: Jefferson College of Health Professions

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

LS 331: Immunology

Examines basic principles and mechanisms of the immune system in the physiologic condition and in disease. Immune mechanisms in infections, hypersensitivity reactions, autoimmunity, immunodeficiencies, as well as tumor and transplantation immunology are discussed. Lecture and laboratory.

Credits: 3

College: Jefferson College of Health Professions

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

LS 375: MLS Seminar

Credits: 2

College: ^Coll of Health Professions

Schedule Type: Seminar

LS 399: Independent Study

This course will provide students with research exploration of a specific topic of interest to the individual student under the advisement of an instructor who will monitor and critique the student's progress

Credits: 1-6

College: Jefferson College of Health Professions

Schedule Type: Independent Study, On-Line

LS 403: Research Design

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lecture, On-Line

LS 404: Experimental Research I

Credits: 1

College: Jefferson College of Health Professions

Schedule Type: Reseach

LS 405: Experimental Research II

Credits: 1

College: Jefferson College of Health Professions

Schedule Type: Reseach

LS 413: Pathology

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lecture, Lecture/On-Line

LS 416: Comprehensive Examination

Credits: 1

College: Jefferson College of Health Professions

Schedule Type: Lecture, On-Line

LS 426: Flow Cytometry I

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lecture/Lab

LS 427: Flow Cytometry II

Credits: 2

College: Jefferson College of Health Professions

Schedule Type: Lab, Lecture, Lecture/Lab

LS 430: Lab Standards & Practices

Credits: 3

College: Jefferson College of Health Professions

Schedule Type: Exam, Lecture, Lecture/On-Line, On-Line

LS 440: Current Resrch in Biosciences

Examination and critical review of the literature pertaining to the bioscience disciplines of biotechnology, cytotechnology and medical technology. Students present research articles from contemporary literature for critical discussion. Students submit a written synopsis of two presented articles and one webinar of their choice. Graduate students, in addition, select a novel lab test or lab equipment found in the literature and produce a comprehensive proposal request suitable for publication.

Credits: 2,3

College: Jefferson College of Health Professions

Schedule Type: Clinical, Lab, Lecture, Seminar

LS 498: Special Topic in Lab Sci

Credits: 1-6

College: Jefferson College of Health Professions

Schedule Type: Independent Study, Lecture, Seminar

2 Laboratory Sciences (LS)



LS 499: Independent Study

Credits: 1-6

College: Jefferson College of Health Professions

Schedule Type: Independent Study