MEDICAL LABORATORY SCIENCE (MLS)

Courses

MLS 095. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

MLS 096. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

MLS 195. Intermediate Special Topics. 1-18 Credits.
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MLS 196. Intermediate Special Topics. 1-18 Credits.
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MLS 220. Clinical Practicum: Chemistry. 3 Credits.
Experiences in an approved clinical laboratory education site in the area of clinical chemistry. Prerequisite: Medical Laboratory Science Seniors only.

MLS 221. Clinical Chemistry I. 4 Credits.
Lectures and laboratory experiences introduce basic principles in clinical quantitative analysis and laboratory instrumentation; test results are correlated with clinical case studies. Prerequisites: CHEM 031 and CHEM 032; CHEM 141 or CHEM 042; ANPS 019 & ANPS 020 or Instructor permission.

MLS 222. Clinical Chemistry II. 4 Credits.
Advanced instruction in body chemistry and pathophysiology of disease with emphasis on diagnostic lab techniques in chemistry. Prerequisites: MLS 221, PATH 101, or Instructor permission.

MLS 230. Clinical Practicum: Hematology. 3 Credits.
Experiences in approved clinical laboratory education site in the area of clinical hematology. Prerequisite: Medical Laboratory Science Seniors only.

MLS 231. Hematology. 4 Credits.

MLS 250. Clin Practicum: Microbiology. 3 Credits.
Experiences in an approved clinical laboratory education site in the area of clinical microbiology. Prerequisite: Medical Laboratory Science Seniors only.

MLS 255. Clinical Microbiology II. 4 Credits.
Comprehensive study of non-bacterial microorganisms and their disease states in humans. Includes medical mycology, parasitology and virology. Laboratory sessions provide experience in identifying these pathogens. Prerequisites: MMG 065 or MMG 101 or equivalent.

MLS 260. Clin Practicum: Immunohematolog. 3 Credits.
Experiences in an approved clinical laboratory education site in the area of clinical immunohematology. Prerequisite: Medical Laboratory Science Seniors only.

MLS 262. Immunohematology. 4 Credits.
Advanced theory and experience related to human blood groups and transfusion practice. Prerequisite: One semester of immunology.

MLS 272. MDS Practicum. 16 Credits.
Practical experiences in molecular diagnostic applications at various locations which include FAHC Laboratories, State of Vermont Health Department Laboratory and other UVM affiliate sites. Medical Laboratory Science Seniors only.

MLS 282. Public Health Lab Practicum. 12 Credits.
Public health laboratory experiences under the direction of public health scientists, performing methods for screening and diagnostic purposes as well as good public health practice. MLS Seniors.

MLS 292. Topics in Medical Lab Science. 3 Credits.
Seminar on topics in the practice and profession of Medical Laboratory Science. Online course. MLS majors only.

MLS 295. Advanced Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

MLS 296. Advanced Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.