

Master Syllabus

CLT 2513 - Lab for Immunology/Serology/Immunoematology

Division: Health Sciences

Department: Clinical Laboratory Technology

Credit Hour Total: 0.0

Date Revised: May 2013

Course Description:

Lab portion of CLT 2510 - Immunology/Serology/Immunoematology

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Enzyme-linked immunoassay (ELISA)

Perform enzyme-linked immunoassay (ELISA)

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Blood Bank Principles

Demonstrate blood bank test principles, methods, and limitations of the tests, and identify interfering substances and corrective actions

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Antibody Identification

Identify routine and complex antibody

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Monoclonal Antibody

Demonstrate monoclonal antibody use for a variety of diagnostic serology testing

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Serum and CSF

Perform serum and CSF diagnostic serology tests

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Microscopic Immunofluorescence

Perform microscopic immunofluorescence

Assessment Method: Simulations

Performance Criteria:

80% or better on a given assessment tool

Outline:

Blood Bank

Antibody identification

Enzyme-linked immunoassay (ELISA)

Microscopic immunofluorescence

Monoclonal Antibody Use

Serum and CSF diagnostic serology tests