

## 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

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#### Course Description:

Lab portion of CLT 2510 - Immunology/Serology/Immunoematology

#### General Education Outcomes:

- Critical Thinking/Problem Solving

#### Course Outcomes:

##### 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

##### Enzyme-linked immunoassay (ELISA)

Perform enzyme-linked immunoassay (ELISA)

**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

##### 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

#### Outline:

Blood Bank

Antibody identification

Enzyme-linked immunoassay (ELISA)

Microscopic immunofluorescence

Monoclonal Antibody Use

Serum and CSF diagnostic serology tests