

Master Syllabus

CLT 2413 - Lab for Clinical Microbiology/Parasitology

Division: Health Sciences

Department: Clinical Laboratory Technology

Credit Hour Total: 0.0

Date Revised: March 2016

Course Description:

Lab portion of CLT 2413 - Clinical Microbiology/Parasitology

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Serological procedures

Perform serological procedures on microorganisms of prime medical concern

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Susceptibility Testing

Perform susceptibility tests of pathogenic bacteria to antibiotics and antimetabolites

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Protozoan and Worm Parasites

Perform identification procedures of protozoan and worm parasites of major medical importance

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Quality Assurance

Demonstrate safety and quality assurance

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Culture and Physiological Characteristics

Distinguish the culture and physiological characteristics of the pathogenic bacteria

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Procedures for Cultivation

Demonstrate recommended procedures for the cultivation of common and rare pathogens

Assessment Method: Simulations

Performance Criteria:

80% or better on given assessment tool

Outline:

Culture and physiological characteristics of the pathogenic bacteria

Cultivation of common and rare pathogens

Serological identification procedures

Susceptibility Testing

Identification of protozoan and worm parasites

Safety, quality assurance