Alexandria Technical and Community College

MELT 2743: Clinical Microbiology

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: *.*
Lab Hours/Week: *.*
OJT Hours/Week: 6
Prerequisites:
MELT 2601 - Diagnostic Microbiology (Number of Years Valid: 3)
Corequisites: None
MnTC Goals: None

This course furthers instruction and study in the areas of bacteriology, mycology, virology, and parasitology. It provides the opportunity to integrate theory with practice, since it is part of a supervised student occupational experience (SOE). Prerequisite: MELT2601.

B. COURSE EFFECTIVE DATES: 08/27/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Integrate theory with practice when reading culture plates.
2. Integrate theory with practice while performing stains and biochemical tests for identification.
3. Relate lab findings to infectious disease.
4. Demonstrate knowledge of antimicrobial agents.
5. Demonstrate knowledge of human parasites, viruses, mycobacterium, mycoplasma, & rickettsia.
6. Discuss how quality control is monitored in the clinical microbiology lab.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate understanding of handling, culture, and identification of pathogenic microorganisms.
2. The learner will demonstrate skills in research and communication.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted