Alexandria Technical and Community College

MELT 2742: Clinical Chemistry

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: *.*
Lab Hours/Week: *.*
OJT Hours/Week: 6
Prerequisites:
MELT 2615 - Diagnostic Chemistry (Number of Years Valid: 3)
Corequisites: None
MnTC Goals: None

This course provides further instruction and study of the techniques of clinical chemistry testing and laboratory practice. The clinical rotation in clinical chemistry provides the MLT learner the opportunity to perform various chemistry methods of analysis used in clinical laboratories to assist in diagnosing, monitoring treatment, and preventing disease. Prerequisite: MELT2615.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Comply with practicum rules and regulations
2. Collect and determine specimen suitability for chemistry tests
3. Discuss and perform electrolyte tests
4. Discuss and perform liver function tests
5. Discuss and perform cardiac function tests
6. Discuss and perform kidney function tests
7. Discuss and perform special and other diagnostic chemistry tests
8. Evaluate instrument performance and maintenance checks
9. Record and evaluate quality control

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate knowledge of clinical chemistry techniques and application.
2. The learner will demonstrate knowledge of laboratory practices.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted