Alexandria Technical and Community College

MELT 2741: Clinical Blood Bank

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: *.*
Lab Hours/Week: *.*
OJT Hours/Week: 6
Prerequisites:
MELT 1632 - Immunohematology (Blood Bank) (Number of Years Valid: 3)
Corequisites: None
MnTC Goals: None

This course provides further instruction and study of the techniques of blood group serology, compatibility testing, and the selection of the proper blood component for the patient. Adverse reaction to blood products and reaction investigations are discussed. Discussions of donor screening, blood processing, and component preparations are in accordance with the American Association of Blood Bank Standards. This course is taken as part of the clinical rotation through blood bank. Prerequisite: MELT1632.

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 BB tests
3. Perform and discuss ABO and Rh tests
4. Perform and discuss antibody identification tests
5. Perform and discuss HDN tests
6. Perform and discuss pretransfusion tests
7. Describe blood components and donor requirements

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate knowledge of techniques of blood group serology testing.
2. The learner will demonstrate knowledge of blood donation protocol and transfusion procedures.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted