

North Hennepin Community College

MLT 2050: Clinical Hematology

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires all three of these prerequisites

MLT 1000 - Clinical Laboratory Basics (Minimum grade: 1.67 GPA Equivalent)

MLT 1100 - Clinical Urinalysis/Body Fluids (Minimum grade: 1.67 GPA Equivalent)

MLT 1200 - Clinical Laboratory Instrumentation (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

The course will include development, normal and abnormal characteristics of the cellular elements of the blood; the basic techniques and instrumentation utilized in the hematology laboratory; the theory and techniques of coagulation studies; and the clinical correlation of all procedures. This course will include development, normal and abnormal characteristics of the cellular elements of blood; the basic techniques and instrumentation utilized in the hematology laboratory; the theory and techniques of coagulation studies; and the clinical correlation of all procedures.

Prerequisite: Admission to the MLT Program MLT 1000, 1100 and 1200

B. COURSE EFFECTIVE DATES: 08/27/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. See Course Description and Course Outcomes

D. LEARNING OUTCOMES (General)

1. Describe and identify the cellular components of both blood and bone marrow. (NHCC ELOs 1, 2)
2. Discuss the functions of the cellular components of blood and bone marrow. (NHCC ELOs 1, 2)
3. Correlate cells with disease states. (NHCC ELOs 1, 2)
4. Discuss the various steps and factors in the coagulation scheme. (NHCC ELOs 1, 2)
5. Describe the principles of hematology and coagulation instrumentation. (NHCC ELOs 1, 2)
6. Accurately perform specified hematologic procedures. (NHCC ELOs 1, 2)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World--Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills--Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.