

Master Syllabus

CLT 2210 - Hematology

Division: Health Sciences

Department: Clinical Laboratory Technology

Credit Hour Total: 4.0 **Lecture Hrs:** 3.0 **Lab Hrs:** 3.0

Prerequisite(s): ALH 2220AND BIO 1171

Other Prerequisite(s): AND Restricted to Majors

Date Revised: June 2016

Course Description:

The course will introduce the students to the theory and practical application of routine and special hematology procedures, both manual and automated; red blood cells and white blood cells maturation sequences, and normal and abnormal morphology and associated diseases. Three classroom, three lab hours per week.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Leukocyte morphology

Compare normal and abnormal leukocyte morphology and related diseases.

Assessment Method: Locally developed exams

Performance Criteria:

70% or better on assessment tool

Applications of hematology procedures

Describe routine hematology procedures to include a CBC and peripheral smear evaluation.

Assessment Method: Locally developed exams

Performance Criteria:

70% or better on assessment tool

Basic hematology

Describe the basic laboratory techniques used in the hematology lab.

Assessment Method: Locally developed exams

Performance Criteria:

70% or better on assessment tool

Hematology procedures

Identify principles and procedures of hematology tests to include sources of error and clinical significance of results.

Assessment Method: Locally developed exams

Performance Criteria:

70% or better on assessment tool

Erythrocyte morphology

Compare normal and abnormal erythrocyte morphology and related diseases.

Assessment Method: Locally developed exams

Performance Criteria:

70% or better on assessment tool

Outline:

Basic laboratory techniques used in hematology

Principles and procedures of hematology testing

Normal and abnormal erythrocyte morphology and related diseases

Normal and abnormal leukocyte morphology and related diseases

Practical application of routine and special hematology procedures