

## Master Syllabus

### CLT 1200 - Introduction to Clinical Laboratory

**Division:** Health Sciences

**Department:** Clinical Laboratory Technology

**Credit Hour Total:** 2.0

**Lecture Hrs:** 1.0 **Lab Hrs:** 3.0

**Prerequisite(s):** ALH 1101AND BIO 1121OR BIO 1107OR BIO 1141

**Date Revised:** December 2015

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#### Course Description:

The course will introduce students to the terms, concepts, procedures, and equipment used in a professional medical laboratory. One classroom, three lab hours per week.

#### General Education Outcomes:

- ▣ Values/Citizenship/Community Competency
- ▣ Critical Thinking/Problem Solving Competency
- ▣ Information Literacy Competency

#### Course Outcomes:

##### Professional ethics and regulatory agencies

Describe behavior consistent with the ethical practice of clinical laboratory medicine.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Basic laboratory safety

List and describe safety hazards in the laboratory and discuss the proper techniques to avoid accidents.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Process improvement and documentation

Explain the impact of federal and state regulatory agencies on the clinical laboratory, and quality control measures.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Point of care testing

Describe use of point of care testing with the clinical lab environment.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Practical experience in phlebotomy

Demonstrate awareness and proficiency of the terms, concepts, procedures, and equipment used in a professional medical laboratory.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Equipment and techniques

Discuss processing clinical specimens according to established procedures, Use basic metric systems for laboratory procedures and use formulas to calculate strengths of dilutions and solutions, List and explain the basic laboratory procedures in clinical chemistry, hematology, coagulation, urinalysis, immunology/serology.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

##### Health Insurance Portability & Accountability Act

Apply principles of confidentiality of (HIPAA) for all patients and test results.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or better on assessment tool

**Outline:**

Professional ethics and regulatory agencies

Basic laboratory safety

Equipment and techniques

Process improvement and documentation

Health Insurance Portability and Accountability Act (HIPAA)

Point of care testing