

Course Competency

MLT 2620 CLINICAL CHEM 2

Course Description

Theoretical concepts and principles of proteins, enzymes, and lipids with emphasis on their relationship to various disease states. Prerequisite: MLT 1610; corequisite: MLT 2620L. A.S. degree credit only. (2 hr. lecture)

Course Competency	Learning Outcomes
Competency 1: The student will demonstrate knowledge of the principles and practices of clinical chemistry by:	1. Critical thinking 2. Computer / Technology Usage
1. Describing the basic concepts, components and methods for Quality Control 2. Describing the different types of safety hazards encountered in Clinical Chemistry 3. Determining common sources of error in Clinical Chemistry Analysis 4. Selecting proper specimens for analysis in Clinical Chemistry	
Competency 2: The student will demonstrate knowledge of different laboratory analytes by:	
1. Describing the function, structure, the basic principles and the clinical significance of each of the following chemical substances: 2. Enzymes and isoenzymes 3. Lipids 4. Hormones 5. Proteins	
Competency 3: The student will demonstrate an understanding of Pathophysiology by:	
1. Explaining the functions, ailments and laboratory tests used to diagnose the	

following:

2. Liver Function
3. Cardiac Function
4. Adrenal and Gonadal Function
5. Pituitary and Thyroid Function
6. Pancreatic & Gastrointestinal Function

Updated: FALL TERM 2022