HIBBING COMMUNITY COLLEGE  
COURSE OUTLINE  

COURSE TITLE: Urinalysis and Body Fluids Analysis  
COURSE NUMBER: MLT 2435  
CREDITS: 2 (Lec 1/ Lab 1)  
PREREQUISITES: None  

CATALOG DESCRIPTION:  
Urinalysis and Body Fluids is designed to introduce the student to the importance of urinalysis in the medical laboratory. Emphasis is on routine analysis including physical, chemical, and microscopic examination of urine specimens and related tests on other body fluids. Manual and semi-automated laboratory procedures are performed in the student laboratory.  

OUTLINE OF MAJOR CONTENT AREAS:  
1. Diagnostic Value of Urinalysis  
2. Physical Tests on Urine  
3. Chemical Tests on Urine  
4. Microscopic Urine Analysis  
5. Body Fluid Analysis  

COURSE GOALS/OBJECTIVES/OUTCOMES:  
1. Students will understand the importance of proper collection, QC, and testing of urine in order to evaluate renal function through findings of urine composition.  
2. Students will be able to perform and interpret a complete urinalysis recognizing both normal and abnormal conditions.  
3. Students will be able to recognize renal diseases of the glomerulus, tubules, interstitium as well as the importance and findings in urine screening for metabolic disorders.  
4. Students will be able to describe the collection, formation and significance of findings in analysis of cerebral spinal fluid and semen.  
5. Students will be able to analyze and interpret results on various body fluids recognizing the significance of abnormal findings.  

HCC COMPETENCIES MET:  
Working Productively and Cooperatively  
Thinking Creatively and Critically  

STUDENT CONTRIBUTIONS:  
Students are expected to participate in class lectures, complete all labs and assignments on time, and spend the necessary study time to pass all exams.
METHODS FOR EVALUATING STUDENT LEARNING:
Performance appraisals, unit tests, assignment completion, lab reports, and a final exam are methods used for evaluation.

Curriculum Committee Approval Date: April 3, 2018

AASC APPROVAL DATE: April 18, 2018
REVIEW DATE: April 2023