



MED 102: Urinalysis

This course consists of integrated instruction between the College and an affiliated hospital laboratory. The principles and procedures of the routine urinalysis will be studied as well as the normal and abnormal physiological functions of the renal system. Prerequisite: MED 101, BIO 154, CHM 115 all with a grade of C or better. Co-requisite: MTH 119, and CHM 116. Two hours lecture and two hours lab per week. At the end of the semester students will spend one week (30 hours) in an simulated clinical. Instructional Support Fee applies. 3 credits.

Course Student Learning Outcomes

1. Perform, interpret and analyze laboratory tests. 2. List procedure, principle and normal values for specified laboratory tests. 3. Recognize abnormal results and describe corrective action. 4. Accurately perform specimen dilutions when necessary and include appropriate calculations when determining specimen results. 5. Apply routine and specialized calculations. 6. Evaluate clinical significance of urinalysis and body fluid testing. 7. Utilize standard safety practices as outlined by OSHA and CDC. 8. Apply concepts of instrumentation to chemical and physical analysis of urine and body fluids. 9. Discuss and interpret quality control and quality assurance applications necessary to ensure reliability of test results and equipment. 10. Prepare materials and supplies for laboratory testing. 11. Describe collection, appropriateness, and preparation of specimens for testing.

Credits: 3

Program: Medical Laboratory Technology