



South Central College

## MDLT 2830 Clinical: Urinalysis/Body Fluids

### Course Outcome Summary

#### Course Information

<b>Description</b>	During the clinical urinalysis/body fluids experience, the student is assigned to an affiliated hospital/clinic laboratory for the purpose of acquiring practical experience in a laboratory setting while under direct supervision. The experience allows the student to apply knowledge learned in the didactic phase of their training with practical hands-on experience for preparation of employment in a clinical laboratory. Students practice basic laboratory procedures/techniques, and phlebotomy. (Prerequisite: MDLT 1825, MDLT 1835, and MDLT 2807.)
<b>Total Credits</b>	1
<b>Total Hours</b>	48

#### Types of Instruction

Instruction Type	Credits/Hours
Internship	1/48

#### Pre/Corequisites

MDLT 1825, MDLT 1835, and MDLT 2807

#### Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

#### Course Competencies

- Discuss criteria for the acceptance/rejection of specimens according to the clinical facility's established protocol.**

##### Learning Objectives

List and explain the common types of urinalysis/body fluid specimen collection, transportation, and processing procedures.

Discuss common preanalytical, analytical, and postanalytical variables that affect urinalysis/body fluids specimen collection, transportation, and processing.

- 2. Demonstrate the proper methods/procedures for performing complete urinalysis and body fluid examinations correctly, efficiently, and accurately according to the facility's established protocol.**

**Learning Objectives**

Explain the general principles of common analytical methods/procedures.

Discuss the limitations of common analytical methods/procedures.

Discuss existing clinical applications for common analytical methods/procedures.

- 3. Recognize normal versus abnormal test results.**

**Learning Objectives**

Given laboratory data, evaluate clinical significance of test results.

Cite normal, abnormal, and critical reference intervals for common laboratory methods/procedures.

Correlate test results with clinical disease states.

- 4. Correlate pathologic conditions and the laboratory's role in diagnosis and treatment.**

**Learning Objectives**

List common urinalysis/body fluid pathologic conditions.

Discuss common urinalysis/body fluid methods/procedures used for diagnosis and treatment of common coagulation and hematology abnormalities.

- 5. Perform the daily functional checks and maintenance on clinical facility's equipment and analyzers.**

**Learning Objectives**

Discuss importance of routinely performing maintenance, calibration, and troubleshooting of laboratory analyzers and equipment.

Demonstrate proper procedures in maintenance, calibration, operation, and troubleshooting of laboratory analyzers and equipment.

- 6. Demonstrate acceptable attitudes toward laboratory work, laboratory personnel, clients/patients, and other medical professionals.**

**Learning Objectives**

List personal qualities that characterize a clinical laboratory professional.

Explain how a clinical laboratory professional demonstrates personal qualities.

Explain importance of good communication between clinical laboratory professionals and other medical professionals.

Demonstrate acceptable attitudes toward laboratory work, laboratory personnel, and laboratory safety.

Discuss importance of working as a team member to ensure quality patient care.

## **SCC Accessibility Statement**

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: [www.southcentral.edu/disability](http://www.southcentral.edu/disability)

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