

# North Hennepin Community College

## MLT 1100: Clinical Urinalysis/Body Fluids

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course will include lab skills such as pipetting, microscopy and centrifugation; review of the anatomy and physiology of the kidney, role of the kidney in disease; physical, chemical and microscopic properties of urine; and clinical correlation of lab results. Other body fluids and seminal fluid analysis will be reviewed in the lecture portion and laboratory portion.

Prerequisite: Admission to the MLT program

Strongly Recommended: BIOL 1001 and BIOL 1120

**B. COURSE EFFECTIVE DATES:** 08/27/1997 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. See Course Description and Course Outcomes

### D. LEARNING OUTCOMES (General)

1. Demonstrate proper use and maintenance of the microscope, and explain when various types are used. (NHCC ELOs 1, 2)
2. Explain the structure and function of the urinary tract. (NHCC ELOs 1, 2)
3. Explain collection and processing of urine specimens. (NHCC ELOs 1, 2)
4. Identify, analyze, and report physical and chemical properties and constituents in urine. (NHCC ELOs 1, 2)
5. Explain abnormal findings in urine, feces, and body fluids and correlate these with diseases or disorders. (NHCC ELOs 1, 2)
6. Perform manual cell counts on blood and other body fluids. (NHCC ELOs 1, 2)

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World--Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills--Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.