

North Hennepin Community College

HTN 1000: Clinical Laboratory Basics

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires any of these seven prerequisite categories

1. MATH 1150 - College Algebra (Minimum grade: 1.67 GPA Equivalent)

Or

2. MATH 1170 - Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Or

3. MATH 1170 - Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Or

4. MATH 1170 - Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Or

5. MATH 1180 - College Algebra and Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Or

6. MATH 1180 - College Algebra and Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Or

7. MATH 1180 - College Algebra and Pre-Calculus (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

This course will introduce the student to the general role of health care provider as well as the specific role of the Histoechnician. Basic aspects of chemical safety, laboratory safety, quality assurance, microscopy, pipetting techniques, and laboratory mathematics also will be presented.

Prerequisite: Admission to the Histotechnology Program

B. COURSE EFFECTIVE DATES: 08/22/2006 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Topics covered: Clinical laboratory safety and infection control; systems of measurement and temperature conversions; pipettes, glassware, balances, and centrifuges; dilutions; reagent water, reagents, and solutions; quality assurance; microscopes; histology lab chemical hygiene.

D. LEARNING OUTCOMES (General)

1. Discuss the requirements and expectations of the program and describe the clinical laboratory profession.
(HT Program Goal I; NHCC Core Ability: Ethical and Civic Responsibility, competency b; NHCC Core Ability: Written and Oral Communication, competency a, b, g)
2. Discuss and demonstrate the principles of clinical laboratory safety and infection control.
(HT Program Goal H; NHCC Core Ability: Critical Thinking, competencies a, c; NHCC Core Ability: Ethical and Civic Responsibility, competency b)
3. Discuss and demonstrate basic clinical laboratory techniques including microscope use.
(HT Program Goal D)
4. Apply basic mathematical calculations to specific laboratory situations.
(HT Program Goal F)
5. Describe and apply the principles of quality assessment.
(HT Program Goal G; NHCC Core Ability: Critical Thinking, competencies a, c; NHCC Core Ability: Ethical and Civic Responsibility, competency b)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted