Alexandria Technical and Community College

MELT 1602: Basic Laboratory Techniques

A. COURSE DESCRIPTION

   Credits: 2
   Lecture Hours/Week: 1
   Lab Hours/Week: 2
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   This is an introductory course to the medical laboratory profession. Emphasis of this course includes safety, universal precautions, infection control, first aid, and OSHA requirements. A discussion of the role of the medical laboratory technician and other healthcare personnel is presented. Other topics include chemical and water quality, laboratory glassware, basic laboratory equipment, quality assurance, quality control, ordering laboratory supplies and laboratory math.
   This course provides a foundation to all other MELT courses.

B. COURSE EFFECTIVE DATES: 08/26/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Demonstrate safety and infection control
   2. Describe Healthcare organizations
   3. Calculate Laboratory Math
   4. Contrast QA and QC
   5. Demonstrate use of Labware and Lab Equipment
   6. Focus the microscope according to protocol.

D. LEARNING OUTCOMES (General)

   1. The learner will demonstrate knowledge of the role of the MLT and other health care professionals, using safe laboratory practices and procedures and using appropriate safety equipment.
   2. The learner will differentiate quality assurance and quality control.

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted