Alexandria Technical and Community College

MELT 1602: Basic Laboratory Techniques

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 1
Lab Hours/Week: 1
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, laboratory information systems, and laboratory math. Learners maintain quality control records in the laboratory. This course is a corequisite or prerequisite to all other MELT courses.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Demonstrate safety, infection control and first aid.
2. Describe Healthcare organization.
3. Calculate laboratory math.
4. Determine Quality Control and QC rules.
5. Demonstrate use of Labware and lab equipment.

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 demonstrate knowledge of 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