COURSE NUMBER & TITLE: MLT 1408: Introduction to the Medical Laboratory
CREDITS: 1 (1 Lec / 0 Lab)
PREREQUISITES: None

CATALOG DESCRIPTION:
Introduction to the Medical Laboratory is designed to provide students with an overview of the structure and organization of the current health care system and their role as future healthcare practitioners in an integrated system. Discussions will include such topics as general organization and operational activities of a clinical laboratory, career opportunities for MLT graduates, laboratory safety, laboratory regulation, ethical and professional conduct, and significance of continued professional development. Students will be exposed to actual clinical settings and meet with practicing laboratory personnel.

OUTLINE OF MAJOR CONTENT AREAS:
1. Role of the lab in diagnosis and treatment
2. Career exploration/credentialing
3. Regulatory and Accrediting Agencies
4. Professional ethics
5. HIPAA regulations
6. Safety and Infection Control
7. Lab math, dilutions, and conversions
8. Quality control and quality assurance in the laboratory
9. Labware
10. Specimen types, collection and preparation

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will develop an understanding of the MLT career through career exploration and credentialing requirements.
2. Students will begin to understand and utilize basic lab concepts to include safety equipment usage, infection control procedures and use of basic lab equipment.
3. Students will be able to perform basic lab math to solve problems, be able to interpret quality control as it relates to overall quality assurance of laboratory results.
4. Students will be able to discuss and evaluate ethical decision-making and integrity in the lab as it pertains to patient’s right to privacy and overall quality assurance in the lab.

MNTC GOALS AND COMPETENCIES MET:
N/A
HCC COMPETENCIES MET:
Working Productively and Cooperatively
Communicating Clearly and Effectively

STUDENT CONTRIBUTIONS:
Students are expected to participate in lectures, complete all labs (if assigned) and assignments on time, and spend the necessary study time to pass all quizzes and exams.

STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

Curriculum Committee Approval Date: April 3, 2018

AASC APPROVAL DATE: April 18, 2018
REVIEW DATE: April 2023