COURSE OUTLINE

Course Number	Course Title	Credits
MLA101	Medical Laboratory Assistant Training	**2**
Hours: Lecture/Lab/Other	**Pre-requisite**	**Implementation Semester & Year**
(2/3)	**Acceptance into the MLA program.**	**Summer 2023**

Catalog description:

Participate in a controlled laboratory environment to learn proper specimen preparation and processing including, but not limited to specimen acceptability, specimen ordering, accessioning, aliquoting, transport, and distribution of collected laboratory specimens to in-house and reference laboratories. Proper training in quality control, waived and point-of-care testing as well as data-entry of clinical specimens using a laboratory information system will be provided.

General Education Category:
Not GenEd

Course coordinator: Lisa Shave 609-570-3387 shavel@mccc.edu

Required texts & Other materials:
Turgeon, M.L. (2019). Linne & Ringsrud's Clinical Laboratory Science: Concepts, Procedures, and Clinical Applications (8 th ed.). Maryland Heights, MO: Mosby.

Course Student Learning Outcomes (SLO):

Upon successful completion of this course the student will be able to:

1. Review verbal and written orders for laboratory testing. (ILG 1, 4, 8, 10)
2. Use a LIS to properly order and accession acceptable laboratory specimens. (ILG 4, 10)
3. Prepare blood and body fluid specimens for analysis to include aliquotting patient specimens for in-house and reference testing. (ILG 3)
4. Verify accuracy and report potential pre-analytical errors that may occur during specimen collection, labeling, transporting and processing. (ILG 3, 11)
5. Review the different complexities of laboratory testing. (ILG 3)
6. Prepare reagents, standards and quality control material needed for analytical instrumentation. (ILG 3)
7. Perform appropriate tests at the medical laboratory assistant level to include waived testing and point-of-care testing. (ILG 1, 3, 9, 10, 11)
8. Identify proper safety practices for infection control. (ILG3)

Course-specific Institutional Learning Goals (ILG):

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.
Institutional Learning Goal 3. Science. Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.
Institutional Learning Goal 4. Technology. Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.
Institutional Learning Goal 5. Social Science. Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.
Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples
Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 10. Information Literacy: Students will recognize when information is needed and have the knowledge and skills to locate, evaluate, and effectively use information for college level work.
Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Program Learning Outcomes for Medical Lab Assistant Certificate

1. Apply governmental standards and compliance within the laboratory setting.
2. Demonstrate professional and ethical behaviors along with interpersonal skills when communicating with patients and members of the healthcare team in the workplace.
3. Perform phlebotomy and display safety practices for infection control according to industry standards.
4. Implement quality assurance and quality control principles to specimen transport, specimen processing, and laboratory testing.
5. Prepare reagents, standards, quality control material and human blood/body fluid specimens for analysis according to industry standards.
6. Perform specimen testing using proper procedures, equipment, and techniques.
7. Apply relevant methodologies and techniques including problem solving and troubleshooting for specimen processing and testing.
8. Use a computer to enter and record data into a laboratory information system (LIS).

Evaluation of student learning:
[Describe general guidelines for examinations, required work, course work, assignments, and tests. List all expected course activities. Explain how each activity evaluates student achievement of course student learning outcomes. Multiple measures (quizzes, tests, essays, projects, portfolios, practicums, etc.) are recommended.]

Lecture	**Category**	**Percentage**	**Lecture score is worth 40% of total grade**
	Assignments (HW, Case Studies, etc.)	20%	
	Weekly Quizzes	40%	
	Exams	30%	
	Participation (Attendance)	10%	
	Total Lecture	**= ____/ 100%**	
Lab (must pass with a 70% or higher)	**Category**	**Percentage**	**Lab score is worth 60% of total grade.**
	Activities (Pre-Labs, HW, etc.)	20%	
	Laboratory Assessments	50%	
	Professional Behaviors	25%	
	Total Lab	**= ____/ 100%**	

Must pass the course with a total grade of 77% (C+) or higher.