

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. MEDA

COURSE NUMBER: 1135

NUMBER OF CREDITS: 3

Lecture: 2 Lab: 1 OJT 0

<b>Course Title:</b>
Laboratory Skills

<b>Catalog Description:</b>
Laboratory Skills course focuses on the role of the medical assistant in the laboratory setting. CLIA-waived testing is studied and performed in the laboratory areas of urinalysis, immunology, hematology, chemistry and microbiology. Specimen collection, quality control and documentation of test results are included. Additional topics explored include electrocardiogram, respiratory testing and emergency preparedness. Also reinforces the fundamental laboratory skills of infection control, safety and phlebotomy taught in MDLT 1100.

<b>Prerequisites or Necessary Entry Skills/Knowledge:</b>
MDLT 1100

**FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)**

- ☐ Goal 1: Communication: By meeting the following competencies:
- ☐ Goal 2: Critical Thinking: By meeting the following competencies:
- ☐ Goal 3: Natural Sciences: By meeting the following competencies:
- ☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ☐ Goal 7: Human Diversity: By meeting the following competencies:
- ☐ Goal 8: Global Perspective: By meeting the following competencies:
- ☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ☐ Goal 10: People and the Environment: By meeting the following competencies:

<b>Topics to be Covered</b>
CLIA-waived testing in the areas of urinalysis, immunology, hematology, chemistry, and microbiology
Quality control
Collection and preparation of specimens
Screening test results

Documentation in the laboratory
Patient education regarding specimen collection
Pulmonary function testing
Electrocardiology
Emergency preparedness

<b>Student Learning Outcomes</b>
Demonstrate proficiency with basic lab tasks, including but not limited to reviewing a lab directory, collecting and handling specimens, completing a lab requisition and reviewing a lab report.
Perform quality control measures that validate laboratory results.
Articulate the guidelines and rationale for CLIA-waived testing in the areas of urinalysis, immunology, hematology, chemistry and microbiology.
Perform CLIA-waived testing in the areas of urinalysis, immunology, hematology, chemistry and microbiology.
Demonstrate performance of electrocardiography and basic pulmonary function testing, applying knowledge of the cardiac and respiratory systems.
Recognize abnormalities in lab and diagnostic test reports.
Explore the role of the health professional and other community resources in emergency preparedness.
Evaluate the work environment to identify safe vs unsafe working conditions.
Develop and practice personal and environmental safety plans, demonstrating proper use of emergency equipment (eyewash stations, fire extinguishers, etc.) and compliance with safety protocol.

<b>Is this course part of a transfer pathway:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>*If yes, please list the competencies below</i>

Revised Date: 1/1/2022