Course Title:
Laboratory Skills

Catalog Description:
Laboratory Skills 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 electrocardiology, respiratory testing and emergency preparedness. Also reinforces the fundamental laboratory skills of infection control, safety and phlebotomy taught in MDLT1100.

FULFILLS MN TRANSFER CURRICULUM AREA(S)

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:

Prerequisites or Necessary Entry Skills/Knowledge:
MDLT1100 – Introduction to Laboratory Science
Topics to be Covered (General)

| 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. |

Student Learning Outcomes

1. 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.
2. Perform quality control measures that validate laboratory results.
3. Articulate the guidelines and rationale for CLIA-waived testing in the areas of urinalysis, immunology, hematology, chemistry and microbiology.
4. Perform CLIA-waived testing in the areas of urinalysis, immunology, hematology, chemistry and microbiology.
5. Demonstrate performance of electrocardiography and basic pulmonary function testing, applying knowledge of the cardiac and respiratory systems.
6. Recognize abnormalities in lab and diagnostic test reports.
7. Explore the role of the health professional and other community resources in emergency preparedness.
8. Evaluate the work environment to identify safe vs unsafe working conditions.
9. Develop and practice personal and environmental safety plans, demonstrating proper use of emergency equipment (eyewash stations, fire extinguishers, etc.) and compliance with safety protocol.

Is this course part of a transfer pathway: Yes □ No ☒

*If yes, please list the competencies below

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