PARKLAND COLLEGE

Course Information Form (CIF)

Course Code: MAS 116

Course Title: Point of Care Testing

Department: Allied Health
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 51.0801
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 1-2-2
Credit Hour Distribution:

Lecture: 1	Lab: 2	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Fundamentals of basic laboratory testing at point-of-care setting: necessity, training, competency, instrument or test selection, advantages and disadvantages, and compliance.

General Course Objectives

Students will observe, demonstrate, and evaluate compliance of the basic laboratory testing for point-of-care orders from the physician in the clinic setting.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 098	Placement out of CCS 098	Placement into MAT 060

Prerequisites

Credit or concurrent enrollment in MAS 135
Approval of program director or department chair

Methods of Evaluation

3-4 homework assignments, 4-5 workbook assignments, 2-3 quizzes, and 1 final exam.

Instructional Materials and Additional Supplies

Comprehensive Medical Assisting (Administrative and Clinical Competencies), Breaman, N. and Fleming-McPhillips, L., current edition. Pearson Prentice Hall. 978-1305964792
Comprehensive Medical Assisting, Student Workbook, Breaman, N. and Fleming-McPhillips, L., current edition. Pearson Prentice Hall. (optional) 978-0-13-4472997

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Global Awareness and Cultural Reasoning: Students will demonstrate their understanding of global issues, gender and sexual orientation, and multicultural perspectives.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Point of Care, General Introduction	1. Define point-of-care testing. 2. Identify Clinical Laboratory Improvement Amendment regulations. 3. List rationale for lab regulations.	1	0	0
Standards Established by Clinical Laboratory Improvement Amendment (CLIA)	1. Describe types of documentation needed to comply with standards. 2. Cite required training and assessment of competency. 3. Describe the types of policies. 4. Describe quality control measures. 5. Describe required storage policies.	1	0	0
Safety Issues	1. Describe differences between standard precautions and universal precautions. 2. Describe needle safety. 3. List the blood and body fluids disposable procedures. 4. Give examples of the steps for patient identification. 5. Demonstrate handwashing. 6. Demonstrate how to select, don, and doff appropriate barrier/personal protective equipment (PPE).	1	3	0
Collection of Samples for Point-of-Care Testing	1. Evaluate potential issues with patient education. 2. Evaluate the ways to determine good and questionable samples. 3. Demonstrate proper collection procedures for specimens in the clinic and at the patient's home. 4. Evaluate the samples collected. 5. Demonstrate reassurance to the patient of the accuracy of the test results.	1.5	4.5	0
Collecting Blood and Body Fluids	1. Describe and demonstrate the basic labeling steps that are mandatory for labs. 2. Explain the different preservations of the specimens. 3. Describe and demonstrate appropriate use of containers for collection of specimens. 4. Participate in bloodborne pathogen training.	1	3	0
Specific Point-of-Care Tests Commonly Performed in the Clinic	1. Describe the proper procedure to collect the following specimens: urine dipstick, strep culture, blood glucose, stool hemoccult, pregnancy test, and hemoglobin. 2. Practice and demonstrate the proper procedure to perform urinalysis, strep testing, blood glucose, stool hemoccult, urine pregnancy, hemoglobin, and bedside spirometry. 3. Discuss other less common tests such as for ova, parasites, etc.	6.5	17.5	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
HIPAA Compliance in the Clinic Lab	1. Participate and contribute in a discussion of HIPAA regulations. 2. Apply HIPAA regulations to various scenarios. 3. Articulate consequences to HIPAA violations.	1	0	0
Comprehensive Review of Point-of-Care Testing	1. Demonstrate skills and application of normal readings in a lab setting. 2. Practice and demonstrate therapeutic communication with the patient regarding accuracy of the test results.	2	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	30	0