RARITAN VALLEY COMMUNITY COLLEGE
ACADEMIC COURSE OUTLINE

MATC-116: Phlebotomy Theory and Lab

I. Basic Course Information

A. Course Number and Title: MATC-116: Phlebotomy Theory and Lab

B. New or Modified Course: Modified

C. Date of Proposal: Semester: Spring Year: 2025

D. Effective Term: Fall 2025

E. Sponsoring Department: Health Science Education

F. Semester Credit Hours: 1

G. Weekly Contact Hours: 2 Lecture: 0 Laboratory: 2.
Out of class students work per week: 1

H. Students must achieve a grade of C (75%) or better in MATC 116 to advance in the Medical Assistant Program.

☒ Prerequisite (s): MATC-111Admin Medical Assistant Principles
BIOL-120 Human Biology
HLTH-150 Medical Terminology
ENGL-111 English Composition I

☒ Corequisite (s): MATC-121 Clinical Medical Assistant Principles
HLTH-109 Pharmacology
HLTH-107 Pathophysiology

I. Additional Fees: No

II. Catalog Description

Students must achieve a grade of C (75%) or better in MATC 116 to advance in the Medical Assistant Program

☒ Prerequisite (s): MATC-111Admin Medical Assistant Principles
BIOL-120 Human Biology
HLTH-150 Medical Terminology
ENGL-111 English Composition I

☒ Corequisite (s): MATC-121 Clinical Medical Assistant Principles
HLTH-109 Pharmacology

HLTH-107 Pathophysiology

This course is designed to offer the students the necessary theory and instruction in phlebotomy techniques. Upon completion of this course, the student will possess an orientation to basic phlebotomy procedures including equipment and techniques used for capillary puncture, venipuncture, and bleeding times. Other topics covered include infectious diseases and their prevention; professionalism and total quality in phlebotomy services; and medicolegal issues and health law procedures.

III. Statement of Course Need

A. Medical Assisting is an allied health profession whose members need to be competent in all clinical and administrative aspects of their profession. The Phlebotomy Theory and Lab course is a vital part of the curriculum and fulfills phlebotomy-related clinical competency requirements of the Medical Assistant Education Review Board (MAERB), the certifying agency for medical assistants. Students must achieve 100% competency in psychomotor (P) and affective (A) learning outcomes (MAERB competencies) to pass this course and achieve eligibility to take a national certification examination and practice as a qualified Medical Assistant.

B. The lab component for this course helps the student to understand the theoretical components taught in lecture through application of the principles learned.

C. This course transfers as a medical assistant program requirement.

IV. Place of Course in College Curriculum

A. Free Elective
B. This course meets a program requirement for the Medical Assistant Certificate Program
C. To see course transferability: a) for New Jersey schools, go to the NJ Transfer website, www.njtransfer.org; b) for all other colleges and universities, go to the individual websites.

V. Outline of Course Content

A. Introduction to Phlebotomy
B. Anatomy and Physiology
C. Infectious Diseases and Their Prevention
D. Proper Procedures and Equipment for Venipuncture
E. Special Collection Procedures
F. Complications of Phlebotomy
G. Multi-skilling for Phlebotomists
H. Interpersonal Communication and professionals
I. Total quality in Phlebotomy Service
J. Medical Legal Issues and Health Law Procedures

VI. A. Course Learning Outcomes

At the completion of the course, students will be able to:

1. Demonstrate critical thinking in decision making (GE*)
2. Utilize appropriate verbal and nonverbal communication techniques (GE-1)
3. Employ ethical behaviors based upon the Medical Assistant's Creed when providing care (GE-ER)
4. I.P.2.b Perform venipuncture.
5. I.P.2.c Perform capillary puncture.
6. I.P.11.a Collect specimens and perform CLIA-waived hematology test.
7. I.P.11.b Collect specimens and perform CLIA-waived chemistry test.
8. I.P.11 Collect specimens and perform CLIA-waived urinalysis test.
9. I.P.11.d Collect specimens and perform CLIA-waived immunology test.
10. I.P.11.e Collect specimens and perform CLIA-waived microbiology test.
11. III.P.1. Participate in bloodborne pathogen training.
12. III.P.2. Select appropriate barrier/personal protective equipment (PPE)
13. III.P.3. Perform handwashing.
14. III.P.10.a Demonstrate proper disposal of biohazardous material: sharps.
15. III.P.10.b Demonstrate proper disposal of biohazardous material: regulated waste *embedded critical thinking.

B. Assessment Instruments

1. laboratory products
2. demonstrations
3. essays

VII. Grade Determinants

A. return demonstration of phlebotomy competencies
B. essays
C. projects
D. tests
E. presentations

Given the goals and outcomes described above, list the primary formats, modes, and methods for teaching and learning that may be used in the course:

A. lecture/discussion
B. small-group work
C. computer-assisted instruction
D. guest speakers
E. laboratory
F. student oral presentations

G. simulation/role playing.
H. student collaboration

VIII. Texts and Materials

A. Textbook: Phlebotomy for the Healthcare Professional
Author: Helen Maxwell
Publisher: American Association of Phlebotomy Technicians
B. Student clinical supply kit
C. Instructor prepared materials and online resources
D. Videos/DVDs/CDs

IX. Resources

A. Medical Assistant clinical laboratory
B. Computer lab with software
C. RVCC library resources and other resources available in the MA lab

X. Check One: ☐Honors Course ☐Honors Options ☒ N/A