

**RARITAN VALLEY COMMUNITY COLLEGE  
ACADEMIC COURSE OUTLINE**

**HLTH 107 PATHOPHYSIOLOGY**

**I. Basic Course Information**

A. Course Number and Title:	HLTH 107 Pathophysiology
B. New or Modified Course:	Modified
C. Date of Proposal:	Semester: Fall Year: 2024
<b>D. Effective Term:</b>	<b>Fall 2025</b>
E. Sponsoring Department:	Health Science Education
F. Semester Credit Hours:	3
G. Weekly Contact Hours: 3	Lecture: 3 Laboratory: 0 Out of class student work per week: 6
H. <input checked="" type="checkbox"/> Prerequisites	HLTH-150 (Medical Terminology); BIOL 120 (Human Biology) <b>or</b> BIOL 124 & BIOL-125 (Human Anatomy & Physiology I & II)
I. Additional Fees:	None

**II. Catalog Description**

**Pre-requisites:** HLTH-150 (Medical Terminology); BIOL 120 (Human Biology) **or** BIOL 124 & BIOL-125 (Human Anatomy & Physiology I & II)

This course covers disease etiology and organ system involvement, including physical signs and symptoms, prognoses, and common complications and their management. The disease process, basic concepts and terminology are presented. This course also includes an examination of the most common diseases of each body system, with normal anatomy and physiology compared to pathologic anatomy and physiologic malfunctioning due to disease process. Diagnostic methods, management, treatment modalities and prognosis are discussed.

### **III. Statement of Course Need**

- A. This course meets a program requirement for the Medical Assistant Certificate and Health Science A.S.
- B. There is no lab component.
- C. This course generally transfers, dependent on the transfer institution, as a program requirement or elective in health sciences or biology.

### **IV. Place of Course in College Curriculum**

- A. Free Elective
- B. This course does not serve as a General Education course.
- C. This course meets a program requirement for the Medical Assistant Certificate and Health Science A.S.
- D. To see course transferability: a) for New Jersey schools, go to the NJ Transfer website, [www.njtransfer.org](http://www.njtransfer.org); b) for all other colleges and universities, go to the individual websites.

### **V. Outline of Course Content**

- A. History of medicine
- B. Cell pathology
- C. Inflammation and repair
- D. Burns
- E. Immunity, hypersensitivity, allergy and autoimmune
- F. Communicable diseases
- G. Congenital and hereditary diseases
- H. Neoplastic disease
- I. Coagulopathy
- J. Hematopoietic and lymphatic
- K. Circulatory
- J. Cardiovascular
- L. Respiratory
- M. Female reproductive
- N. Prenatal and pregnancy
- O. Urinary
- P. Male reproductive
- Q. Gastrointestinal
- R. Liver and biliary
- S. Endocrine
- T. Pancreas and diabetes mellitus
- U. Water, electrolyte and acid-base balance
- V. Nervous system
- W. Musculoskeletal system

## **VI. A. Course Learning Outcomes**

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

1. Describe the physiology, etiology, pathogenesis, and clinical significance of selected disorders of the human body, specific organs, and/or organ systems. (GE 1, 3)
2. Apply knowledge of pathophysiological processes to correlate with physical assessment findings.
3. Compare various approaches used by practitioners for diagnosis and treatment of pathophysiological disorders. (GE 1, 3)
4. Evaluate emerging research or evidence-based knowledge regarding pathological and/or genetic changes in selected disease processes and clinical reasoning. (GE 1-4)

### **B. Assessment Instruments**

- A. discussions
- B. written assignments
- C. exams

## **VII. Grade Determinants**

- A. discussions
- B. written assignments
- C. exams

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. computer-assisted instruction
- C. independent study

## **VIII. Texts and Materials**

### **A. Textbooks:**

Gould's Pathophysiology for Health Professions, 7<sup>th</sup> ed, Vanmeter & Hubert, Elsevier, 2023 ISBN: 9780323792882

(Please Note: The course outline is intended only as a guide to course content and resources. Do not purchase textbooks based on this outline. The RVCC Bookstore is the sole resource for the most up-to-date information about textbooks.)

## **IX. Resources**

- A. Computer with internet access

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