RARITAN VALLEY COMMUNITY COLLEGE
ACADEMIC COURSE OUTLINE

HLTH 207 Pathophysiology

I. Basic Course Information

A. Course Number and Title: HLTH 207 Pathophysiology

B. New or Modified Course: Modified

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

D. Effective Term: Fall 2026

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. ☒ Prerequisite (s): HLTH-150 (Medical Terminology); BIOL 120 (Human Biology) or BIOL 124 & BIOL-125 (Human Anatomy &Physiology I&II)
☐ Corequisite (s): None

I. Additional Fees**:** None

II. Catalog Description

Prerequisite: 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 provides students with the essential scientific framework to understand how and why diseases develop, progress, and manifest in the human body. In order to function effectively in clinical, administrative, or allied health roles, students must possess a deep understanding of the physiological mechanisms that underlie abnormal health conditions. This course builds on foundational anatomy and physiology knowledge by examining disruptions in normal biological and physiological processes. Such understanding is vital for interpreting clinical symptoms, recognizing patterns of disease, and supporting accurate communication with healthcare teams. By connecting theoretical mechanisms to real-world health scenarios, the course enhances students' ability to think critically, reason clinically, and make informed, evidence-based decisions that improve patient outcomes.
B. This course meets a program requirement for the Medical Assistant Certificate and Health Science A.S.
C. There is no lab component.
D. 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 A.S. Degree in Health Science.
D. 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. 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 system
L. Cardiovascular system
M. Respiratory system
N. Female reproductive system
O. Prenatal and pregnancy

P. Urinary system
Q. Male reproductive system
R. Gastrointestinal system
S. Liver and biliary
T. Endocrine system
U. Pancreas and diabetes mellitus
V. Water, electrolyte and acid-base balance
W. Nervous system
X. 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)*

*embedded Critical Thinking

B. Assessment Instruments

A. discussions
B. written assignments
C. exams

VII. Grade Determinants

A. Exams
B. Written Assignments
C. Discussion

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

VIII. Texts and Materials

A. Textbooks: Gould's Pathophysiology for Health Professions, 7th ed. Vanmeter & Hubert, Elsevier, 2023 ISBN: 9780323792882 PowerPoint Presentation

(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. RVCC Library
B. Computer with Internet Access

X. Check One: ☐Honors Course ☒ N/A