

**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: Spring Year: 2020
D. Effective Term:	Fall 2020
E. Sponsoring Department:	Health Science Education
F. Semester Credit Hours:	3
G. Weekly Contact Hours:	Lecture: 3 Laboratory: 0 Out of class student work per week: 6
H. Prerequisites/Corequisites:	HLTH-150(Medical Terminology); BIOL 120 (Human Biology) or BIOL 124 & BIOL-125 (Human Anatomy &Physiology I &II)
I. Laboratory Fees:	None
J. Name and Telephone Number or E-Mail Address of Department Chair and Divisional Dean at time of approval:	Department Chair: Beryl Stetson, Beryl.Stetson@raritanval.edu Divisional Dean: Sarah Imbriglio, Sarah.Imbriglio@raritanval.edu

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 fulfills the “knowledge cluster content and competency” required by the American Health Information Management Association (AHIMA) and its accrediting body, the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).
- B. There is no lab component.
- C. This course generally transfers as a program requirement in health information technology.

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 Health Information Technology A.A.S. degree program, Health Information Technology Medical Coding Certificate program and 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; 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. General Education and Course Learning Outcomes

A. General Education Learning Outcomes:

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

1. Explain the most common disease processes for each body system. (GE-1,3)
2. Describe how epidemiology helps track disease. (GE-1,3)
3. Identify disease processes, signs, symptoms and diagnostic techniques (GE-1)

B. Course Learning Outcomes:

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

1. Define the common terms used to describe disease, such as lesions, organic and functional disease, symptomatic and asymptomatic disease, etiology, and pathogenesis.
2. List the major categories of human disease.
3. Explain the approach that a practitioner uses to make a diagnosis and decides on a patient's treatment.
4. Describe the various types of diagnostic tests and procedures that can help the practitioner in making a diagnosis and deciding on proper treatment.
5. Summarize the theories concerning the pathogenesis of defined diseases, the clinical manifestations, and the methods of treatment.

C. Assessment Instruments

1. discussions
2. assignments
3. quizzes
4. exams

VII. Grade Determinants

- A. discussions
- B. assignments
- C. quizzes
- D. 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, Vanmeter & Hubert,
Elsevier, 2017 ISBN: 9780323414425

(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