

**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: 2007
D. Sponsoring Department:	Health Science Education
E. Semester Credit Hours:	3
F. Weekly Contact Hours:	Lecture: 3 hours
G. Prerequisites:	HLTH-150 (Medical Terminology); BIOL 151 (Human Biology) or BIOL 124 & BIOL-125 (Human Anatomy & Physiology I & II)
G. Laboratory Fees:	None

II. Catalog Description

Prerequisites: HLTH-150 (Medical Terminology); BIOL 151 (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

This course fulfills the “knowledge cluster content and competency” required by the American Health Information Management Association. The Health

Information Technology A.A.S. degree program is currently in Candidacy status with the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The accreditation process is not complete until the program is reviewed and awarded a decision by CAHIIM. Graduates are not eligible to apply for AHIMA Certification exams (RHIA or RHIT) until the program has received an official letter from CAHIIM awarding Initial Accreditation.

III. Place of Course in College Curriculum

This course meets a requirement in the four-semester Health Information Technology A.A.S. degree program.

V. Outline of Course Content

1. History of Medicine
2. Cell Pathology
3. Inflammation and Repair
4. Burns
5. Immunity, Hypersensitivity, Allergy and Autoimmune
6. Communicable Diseases Parasites
7. Congenital and Hereditary Diseases
8. Neoplastic Disease
9. Coagulopathy
10. Hematopoietic & Lymphatic
11. Circulatory
12. Cardiovascular
13. Respiratory
14. Female Reproductive
15. Prenatal and Pregnancy
16. Urinary
17. Male Reproductive
18. Gastrointestinal
19. Liver & Biliary
20. Endocrine
21. Pancreas & Diabetes Mellitus

22. Water, Electrolyte and Acid- Base Balance
23. Nervous System
24. Musculoskeletal System

VI. Educational Goals and Learning Outcomes

Educational Goals

Students will:

1. Explore and analyze the most common disease processes for each body system. (G.E.1,3)
2. Explain how epidemiology helps to track disease and plan for the future. (G.E.1,3)
3. Identify how the beginning of the disease process, signs and symptoms and diagnostic techniques help to improve cures. (G.E.1)

Learning Outcomes

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.

VII. Modes of Teaching and Learning

- lecture/discussion
- computer-assisted instruction
- independent study

VIII. Papers, Examinations, and other Assessment Instruments

- quizzes
- exams
- assignments

IX. Grade Determinants

Each week the student will be responsible for completing an assignment by established due date. All late assignments will be docked 5 points. Assignments submitted with no name will not be graded and will receive a zero.

The course will consist of weekly assignments, quizzes and two exams. The final grade will be based on all of these factors. The breakdown is as follows:

Midterm & Final Exam	40% (20% each)
Quizzes	30%
Assignments	30%
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100%	

- X. Texts and Materials:** (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.)

REQUIRED:

Pathophysiology for the Health Professions, Gould, Barbara E., 3rd ed.
Pennsylvania: Saunders Elsevier, 2006. .
ISBN 978-1-4160-2582-5

REFERENCES:

The Merck Manual of Diagnosis and Therapy, Beers, M.H. & Berkow, R. (Eds.).
17th ed., Whitehouse Station, N.J.: Merck and Company. (2005).

Taber's Cyclopedic Medical Dictionary, Venes, D. (Ed.), 20th ed., Philadelphia:
F.A. Davis Company, 2001. ISBN 0-8036-1209-5

XI. Resources

The RVCC library resources and the resources in the Department of Health Science Learning Lab provide the materials and resources needed for this course.