MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY

COURSE OUTLINE

1. COURSE DESCRIPTION:

**RC115 Cardiopulmonary Diseases** C-3, Cr-3

The initial portion of this course stresses the integral components of data collection, assessment, and evaluation necessary for the development of an effective care plan for patients with cardiopulmonary disorders. The remainder emphasizes the etiology, manifestations, and treatment of a variety of cardiopulmonary diseases. Case study presentations use critical thinking skills.

**Prerequisites:** A full year of high school general chemistry with a lab (minimum grade of 70) within seven years or equivalent courses (minimum grade of C); RC101 Basic Science for Respiratory Care; RC103 Cardiopulmonary Pharmacology; RC111 Principles of Respiratory Care 1

**Corequisites:** BI216 Human Anatomy & Physiology 1, RC112 Principles of Respiratory Care 2, and RC131 Clinical Practicum 1, or Program Coordinator consent (minimum grade of C)

1. STUDENT LEARNING OUTCOMES

**Upon completion of this course the student will be able to:**

1. Indicate the importance of a medical history in evaluating a patient and discuss the significance of information obtained.
2. Differentiate between a sign and a symptom.
3. List and indicate the significance of the various signs and symptoms of respiratory disease.
4. Differentiate between an obstructive and restrictive pattern of pulmonary diseases.
5. List, define, and indicate the significance of the various clinical tests and techniques used in the diagnosis, evaluation, and treatment of cardiopulmonary diseases.
6. Indicate the major pathology, etiology, clinical signs and symptoms, diagnostic tools, functional impairment, and respiratory therapy involvement in the wide variety of disease entities treated and encountered in clinical situations.
7. MAJOR TOPICS:
8. Assessment of Respiratory Disease
9. Radiologic Assessment
10. Therapist Driven Protocols & Recording Skill
11. Obstructive Diseases
12. Infectious Pulmonary Diseases
13. Pulmonary Vascular Diseases
14. Chest and Pleural Trauma
15. Disorders of the Pleura and of the Chest Wall
16. Environmental Lung Disease
17. Neoplastic Disease
18. Diffuse Alveolar Diseases
19. Chronic Noninfectious Parenchymal Diseases
20. Neurologic Disorders and Sleep Apnea
21. Newborn and Early Childhood Resp. Disorders
22. Other Important Topics