

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: RTH 135

Credits: 2

Course Title: Diagnostic and Therapeutic Procedures I

Course Description (including lecture hours, lab hours, total contacts)

Focuses on purpose, implementation and evaluation of equipment, and procedures used in the diagnosis and therapeutic management of patients with cardiopulmonary disease. Prerequisite: Completion of the Pre-Nursing and Allied Health (Pre-Respiratory Therapy) Career Studies Certificate. Lecture 1 hour. Laboratory 3 hours. Total 4 hours per week.

General Course Purpose

This course teaches and evaluates the basic assessment and diagnostic techniques required of respiratory care students prior to entering the clinical portion of the program.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

Completion of the Pre-Nursing and Allied Health (Pre-Respiratory Therapy) Career Studies Certificate

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Review the principles, definitions and concepts applicable to respiratory care.
- b. Analyze the cognitive processes used by the respiratory care practitioner in the initiation, monitoring, evaluation, modification and discontinuance of therapies.
- c. Apply the processes of evaluation and analysis used in the application of respiratory care modalities to a variety of simulated clinical conditions.

Major Topics to be Included

Medical Records
Patient Interview and History
Vital Signs, Pulse, and Respiration
Blood Pressure Management
Physical Assessment of the Chest
Auscultation
Patient Positioning
Pulmonary Functions, Butler
Bedside Pulmonary Mechanics
Chest X-Ray Interpretation

Effective Date of Course Content Summary (Month, Date Year) September 24, 2008