

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

Course Prefix and Number: RTH 110

Credits: 4

Course Title: Fundamentals, Theory, and Procedures in Respiratory Care

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

Focuses on the development of basic respiratory care skills necessary to enter the hospital environment. Prerequisite: Completion of the Pre-Nursing and Allied Health (Pre-Respiratory Therapy) Career Studies Certificate. Lecture 2 hours. Laboratory 6 hours. Total 8 hours per week.

General Course Purpose

The purpose of this course is to provide the fundamental skills and theory of Respiratory Care required of beginning students entering the clinical environment.

Course Prerequisites/Corequisites

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 historical development of modern respiratory care.
- b. Describe and discuss the respiratory therapy professional and regulatory organizations.
- c. Describe, discuss, demonstrate and evaluate the basic foundational skills required in the clinical environment.
- d. Describe and discuss the psychosocial skills, and the medical laws and ethics pertaining to patient care.

Major Topics to be Included

- a. Program Structure, Course Requirements, and Respiratory Care History
- b. Medical Industry
- c. Professional and Regulatory Organizations
- d. Medical law and Ethics
- e. Handwashing and Isolation Techniques
- f. Equipment Cleaning and Sterilization
- g. Medical Gases and Equipment
- h. Oxygen Therapy
- i. Humidity Therapy
- j. Aerosol Therapy
- k. Chest Physiotherapy
- l. Hyperinflation Therapy
- m. Airway Care

Effective Date of Course Content Summary (Month, Date Year): August, 25, 2008