

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

Course Prefix and Number: RTH 110

Credits: 4

Course Title: Fundamental Theory and Procedures for Respiratory Care

Course Description: Focuses on the development of basic respiratory care skills necessary to enter the hospital environment. Prerequisite: Completion of the Pre-Respiratory Therapy Career Studies Certificate and acceptance into pre-clinical courses. 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 and Co-requisites:

Prerequisite: Prerequisite: Completion of the Pre-Respiratory Therapy Career Studies Certificate and acceptance into pre-clinical courses

Course Objectives:

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. Hand washing 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: April 16, 2014