

**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 Health Science Career Studies Certificate Respiratory Therapy pathway 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: Completion of the Health Science Career Studies Certificate Respiratory Therapy pathway and acceptance into pre-clinical courses

**Student Learning Outcomes:**

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; and
- 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

**Date Created/Updated** (Month, Day, and Year): December 5, 2019