

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

Course Prefix and Number: RTH 110 **Credits:** 3

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. This is a first semester course that requires acceptance into the Respiratory Therapy program. Prerequisite: Completion of the Health Science Career Studies Certificate Respiratory Therapy pathway and acceptance into pre-clinical courses. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week. 3 credits

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

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

Major Topics to Be Included:

- Program structure, course requirements, and respiratory care history
- Medical industry
- Professional and regulatory organizations
- Medical law and ethics
- Hand washing and isolation techniques
- Equipment cleaning and sterilization
- Medical gases and equipment
- Oxygen therapy
- Humidity therapy
- Aerosol therapy
- Chest physiotherapy
- Hyperinflation therapy
- Airway care

Effective Date/Updated: August 1, 2021