Course Prefix and Number: RTH 110

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

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