

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: RSPC 104 Department: Respiratory Care

Course Title: Intro. To Respiratory Care Semester: Spring Year: 1997

Objectives/Competencies

Course Objective	Competencies
1. The student should develop an understanding of the anatomy of the Respiratory System. 2. The student should develop an understanding of pulmonary function as it relates to the physiology of the respiratory system. 3. The student should develop an understanding of the	1. Gain an in-depth knowledge of the anatomy of the respiratory system. 2. Understand ventilation as it relates to gas laws. 3. Understand abnormal and normal ventilation. 4. Utilize the medical terminology related to the respiratory system. 5. Evaluate the ethics pertinent to the field of respiratory care. 1. Define and understand lung volumes and compliance. 2. Define lung diffusion and understand the gas laws relating to it. 3. Describe the function of the medulla as it relates to the control of ventilation. 4. Utilize the medical terminology related to pulmonary function.

Course Objective	Competencies
<p>circulatory system and integrate hemodynamic monitoring into its analysis.</p> <p>4. The student should develop an understanding of the oxygen and carbon dioxide transport system.</p>	<ol style="list-style-type: none"> 1. Describe the components of the circulatory system. 2. Describe structure and function of the heart. 3. Identify normal hemodynamic values. 4. Utilize the medical terminology related to the circulatory system. <ol style="list-style-type: none"> 1. Understand oxygen transport and influencing factors. 2. Calculate total oxygen in the blood and plasma. 3. Understand acid base balance.