Course Outcome Summary

**Required Program Core Course**

**RTH 102A – Pharmacology for Respiratory Therapists I**

**Course Information**

<table>
<thead>
<tr>
<th>Division</th>
<th>Health Sciences</th>
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</thead>
<tbody>
<tr>
<td>Contact Hours</td>
<td>2</td>
</tr>
<tr>
<td>Theory</td>
<td>30</td>
</tr>
<tr>
<td>Total Credits</td>
<td>2</td>
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**Prerequisites**
- Admission into the Respiratory Therapy program

**Co-requisites**
- RTH 100 – Respiratory Care Techniques I
- RTH 104 – Cardiopulmonary Assessment
- BIOL 258 – Anatomy & Physiology II (Must be successfully completed prior to or concurrently)

**Course Description**

This course provides an overview of general pharmacology principles and various drug knowledge such as bronchodilators and anti-inflammatory agents. Emphasis will be made on drugs used in management of cardiopulmonary conditions as well as a thorough treatment of drugs administered directly by respiratory therapists.

This course is a required core course for students pursuing an Associate of Applied Science - Respiratory Therapy

**Program Outcomes Addressed by this Course:**

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

**Course Outcomes**

In order to evidence success in this course, the students will be able to:

1. Interpret basic pharmacological concepts of drug actions, drug toxicities, metabolism, and excretion as pertains to drugs commonly administered by respiratory therapists.

   **Applies To Program Outcome**
   
   A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

2. Define commonly used pharmacological terms and nomenclature.

   **Applies To Program Outcome**
   
   A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

3. Identify indications, contraindications, side effects, and standard and maximum adult dosages for common bronchoactive drugs.

   **Applies To Program Outcome**
   
   A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.
4. Recognize, as relevant to respiratory care practitioners, the usage of drug agents from the following drug categories: steroids, xanthine derivatives, autonomic nervous system therapeutic agents, and non-steroidal anti-asthmatic agents.

   * Applies To Program Outcome
     A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

5. Perform calculations necessary to validate appropriateness of an order for medications administered by respiratory therapists.

   * Applies To Program Outcome
     A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

Date Updated: 1/23/19
By: I Ahmed