



Course Outcome Summary

Required Program Core Course
**RTH 102B – Pharmacology for
Respiratory Therapists II**

Course Information

Division	Health Sciences
Contact Hours	1
Theory	15
Total Credits	1

Prerequisites

RTH 100 – Respiratory Care Techniques I
RTH 104 – Cardiopulmonary Assessment
RTH 102A – Pharmacology for Respiratory Therapists I
BIOL 258 – Anatomy & Physiology II

Co-requisites

RTH 110 – Respiratory Care Techniques II
RTH 111 – Respiratory Care Clinical Practice I
RTH 116 – Cardiopulmonary Pathophysiology

Course Description

This course provides an overview of general pharmacology principles and various drug categories that surround the care of advanced cardiopulmonary patients. Emphasis will be made on drugs used in the critical care 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 for cardiopulmonary infections such as pneumonia and tuberculosis.

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. State indications, contraindications, side effects, and standard and maximum adult dosages for common cold and cough 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.



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3. Discuss, as relevant to respiratory care practitioners, usage of drug agents from the following drug categories: cardiovascular drugs, and diuretics.

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. Discuss, as relevant to respiratory care practitioners, usage of drug agents from the following drug categories: central nervous system agents such as anesthetics and muscle relaxants.

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.

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