Course Number and Title	RC 110 Cardiopulmonary Pharmacology

Credit Hours	3

Course Description	The course will cover the pharmacological agents used Respiratory Therapy including the pharmacokinetic, and pharmacodynamic phases of therapy. The student will learn the detailed application and use of medication in-the Respiratory Care setting. Current and detailed calculations of medications used are stressed in detail in this course to ensure adequate and proper dosage of all medications to all types of acute and chronically ill patient.

Prerequisite(s) and/or Corequisite(s)	Admission to the Respiratory Care Technology program.

Required Textbooks/References/Course Materials:

Rau's Respiratory Care Pharmacology - Workbook	10th	Gardenhire, Douglas S. / Hinski, Sandra T.	Elsevier Science	0323553656
Rau's Respiratory Care Pharmacology - With Access	10th	Gardenhire, Douglas S.	Elsevier Science	0323553648

	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Graduates must be competent to perform all diagnostic and therapeutic procedures required of a Respiratory Therapist entering the profession.
2	Graduates must be able to function proficiently within inter-professional teams and communicate effectively with diverse populations. The curriculum must prepare students to work with, and care for, a variety of populations including, but not limited to, individual of various ages, abilities, and ethnicities.
3	Program graduates must exhibit adequate critical thinking skills and be competent in the application of problem-solving strategies in the patient care setting.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Analyze and describe basic principles and concepts in Pharmacology	C-Analyzing-4	1,3	1	1	1	2	1	0
2	Identify drugs used to treat the respiratory system	C-Analyzing-4	1,3	1	1	1	2	1	0
3	Identify and describe critical care, cardiovascular and polysomnography agents	C-Analyzing-4	1,3	1	1	1	2	1	0
4									
5									
6									
7									
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10									

Bloom's Domain Legend
C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend
2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
Reviewed: October 29, 2021