

COURSE OUTCOME MATRIX

COURSE SYLLABUS

PART 2 of 3

Course Number and Title	RC 103 Respiratory Sciences
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Credit Hours	3
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Course Description	This course will introduce the student to the basic concepts of math, physics, chemistry and microbiology used by Respiratory Care Professionals in their daily practice.
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Prerequisite(s) and/or Corequisite(s)	Admission to the Respiratory Care Technology program.
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Required Textbooks/References/Course Materials:

Respiratory Care Sciences	5th	Wojciechowski, William	Cengage Learning	1133594778
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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	Become skilled in solving basic mathematical problems encountered in the practice of respiratory therapy.	C-Analyzing-4	1,3	1	1	1	2	2	0
2	Identify a variety of principles of physics that apply to respiratory therapy equipment and cardiopulmonary physiology.	C-Analyzing-4	1,3	1	1	1	2	1	0
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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