COURSE OUTCOME MATRIX
COURSE SYLLABUS
PART 2 of 3

Course Number and Title	RC 210 Mechanical Ventilation I

Credit Hours	4

Course Description	This course is designed to introduce the student to the theory and practice of mechanical ventilation to the acute or chronic pulmonary impaired patient. The theory of operation, classifying the need for mechanical ventilation and managing the care of the pulmonary impaired patient are introduced in this course. The laboratory portion of this class will allow the student to practice and demonstrate proficiency before performing these procedures in the healthcare setting.

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

Required Textbooks/References/Course Materials:

Pilbeam's Mechanical Ventilation: Physiological and Clinical Applications - With Code	7th	Cairo, J.M.	Elsevier Science	0323551270

	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	Describe Basic Terms and Concepts of Mechanical Ventilation	C-Analyzing-4	1,3	1	1	1	2	1	0
2	Identify how Ventilators Work and a Breath is delivered	C-Analyzing-4	1,3	1	1	1	2	1	0
3	Distinguish or establishing the Need for Mechanical Ventilation and Selecting the Ventilator and Mode	C-Analyzing-4	1, 3	1	1	1	2	1	0
4	Break-down Initial Ventilator Settings, Patient Assessment and Assessment of Respiratory Function	P-Articulate-4	1,3	1	1	1	2	1	0
5	Break-down Final Considerations in Ventilator Setup	C-Analyzing	1,3	1	1	1	2	1	0
6	Illustrate Ventilator Graphics	C-Analyzing	1,3	1	1	1	2	1	0
7									
8									
9									
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
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