COURSE OUTCOME MATRIX
COURSE SYLLABUS
PART 2 of 3

Course Number and Title	RC 211 Mechanical Ventilation II

Credit Hours	4

Course Description	This course will allow the student to build on the theory of mechanical ventilation taught in RC 210. The student will learn advanced theory of practice and care of the mechanically ventilated patient. Ventilation protocols will be covered in this course to allow the student to practice critical thinking skills involved in the practice of a Respiratory Therapist. The lab portion of this class will enable to student to become proficient with all types of ventilation skills while treating all ages and types of impaired patients before performing these procedures in the healthcare setting

Prerequisite(s) and/or Corequisite(s)	RC 210

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.
4	
5	
6	
7	
8	
9	
10	

	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 Hemodynamic Monitoring	C-Analyzing-4	1,3	1	1	1	2	1	0
2	Identify Methods to improve Ventilation and Oxygenation	P-Articulate-4	1,3	1	1	1	2	1	0
3	Identify Ventilator Associated pneumonia	C-Analyzing-4	1,3	1	1	1	2	1	0
4	Identify Sedatives, Analgesics and Paralytics	C-Analyzing-4	1,3	1	1	1	2	1	0
5	Identify Extra-pulmonary Effects of Mechanical Ventilation and Effects of Positive Pressure Ventilation on the Pulmonary system.	C-Analyzing-4	1,3	1	1	1	2	1	0
6	Analyze Trouble Shooting/Problem Solving and Special Techniques in Ventilator Support	P-Articulate-4	1,3	1	1	1	2	1	0
7	Identify Basic Concepts of Noninvasive Positive Pressure Ventilation, Long Term Ventilation and weaning and discontinuations from mechanical ventilation	P-Articulate-4	1,3	1	1	1	2	1	0
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
Reviewed: October 29, 2021