Course Number and Title	RC 201 Cardiopulmonary Diagnostics

Credit Hours	3

Course Description	This course will provide advanced theory of diagnostic studies relating to respiratory care.

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

Required Textbooks/References/Course Materials:

Ruppel's Manual of Pulmonary Function Testing	11th	Gregg L. Ruppel	Mosby	0323356257

	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	Discuss the roles of arterial blood pressure, central venous pressure, and pulmonary artery pressure in hemodynamic monitoring.	C-Analyzing-4	1,3	1	1	1	2	1	0
2	Describe, perform, and evaluate results of pulmonary function tests.	P-Articulate-4	1,3	1	1	1	2	1	0
3	Describe, perform, and evaluate results of polysomnography.	P-Articulate-4	1,3	1	1	1	2	1	0
4	Describe the normal physiologic responses of the respiratory, cardiac, skeletal muscle, and peripheral and pulmonary vascular systems to exercise.	C-Analyzing-4	1,3	1	1	1	2	0	0
5	Discuss the effects of nutritional status on the respiratory system.	C-Analyzing-4	1,3	1	1	1	2	1	0
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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
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