RESP 220 - Neonatal/Pediatric Respiratory Care Course Outline

Approval Date: 03/12/2020
Effective Date: 08/14/2020

SECTION A

Unique ID Number	CCC000552271
Discipline(s)	Respiratory Technologies
Division	Health Occupations
Subject Area	Respiratory Care
Subject Code	RESP
Course Number	220
Course Title	Neonatal/Pediatric Respiratory Care
TOP Code/SAM Code	1210.00 - Respiratory Care Therapy/Therapist* / C - Occupational
Rationale for adding this course to the curriculum	To improve course content with activities, leading to certifications.
Units	4
Cross List	*N/A*
Typical Course Weeks	18

Total Instructional Hours

	Contact Hours
Lecture	54.00
Lab	0.00
Activity	36.00
Work Experience	0.00
Outside of Class Hours	126.00

Total Contact Hours	90
Total Student Hours	216
Open Entry/Open Exit	No
Maximum Enrollment	30
Grading Option	Letter Grade Only
Distance Education Mode of Instruction	On-Campus Hybrid

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description Students will receive instruction in neonatal and pediatric respiratory care. The course will cover fetal lung development, circulatory changes in the newborn, and neonatal and pediatric diseases and treatment. Course will include curriculum leading to professional certifications.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

RESP 185 with a minimum grade of C or better

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:
   A. Discuss neonatal/pediatric physiology and pathophysiology.
   B. Describe assessment techniques for the neonatal/pediatric population.
   C. Describe and optimize patient-ventilator interactions for neonatal/pediatric population.

2. Course Objectives: Upon completion of this course, the student will be able to:
   A. Discuss fetal lung development.
   B. Analyze maternal factors that can place fetuses at risk for respiratory problems.
   C. Describe tests for fetal well being.
   D. Evaluate assessment techniques for the neonate and child.
   E. Explain key aspects of neonatal and pediatric diseases.
   F. Interpret neonatal and cord blood gases.
   G. Manipulate neonatal ventilatory parameters.
   H. Interpret and monitor data pertaining to neonatal mechanical ventilation.
   I.

3. Course Content
   A. Fetal lung development
   B. Maternal factors that can place fetuses at risk for respiratory problems
   C. Tests for fetal well-being
   D. Assessment technologies for the neonate and child
   E. Aspects of neonatal and pediatric diseases
   F. Interpret neonatal and cord blood gases
   G. Neonatal ventilatory parameters
   H. Monitor data pertaining to neonatal mechanical ventilation
   I.

4. Methods of Instruction:

Activity: Some related activity will be completed in an on-line environment (e.g., respiratory care case study or scenario).

Lecture: Lecture will be conducted face-to-face.
Observation and Demonstration:
Online Adaptation: Activity, Discussion

2. **Methods of Evaluation:** Describe the general types of evaluations for this course and