

## Respiratory Therapy Program 2020 - 2021

### Instructional Program Student Learning Outcomes & Assessment Plan

Students will demonstrate:

1. the psychomotor, cognitive, and affective skills necessary to assist the physician and other health care team in the diagnosis, treatment, and management of patients with cardiopulmonary diseases and disorders.
2. clinical competence and possess the technical skills necessary to provide respiratory care effectively, accurately, and efficiently in clinical and laboratory areas.
3. effective oral and written communication skills in the classroom/laboratory, clinical settings, and workplace.
4. knowledge and understanding of the respiratory care code of ethics and display a professional attitude based on the code of ethics and employer expectations.
5. knowledge and application of mechanical ventilation and therapeutics.
6. knowledge and application of cardiopulmonary diagnosis and monitoring.

Intended Outcomes	Means of Assessment	Criteria for Success	Summary & Analysis of Assessment Evidence	Use of Results
<p><b>1. Students will demonstrate the psychomotor, cognitive, and affective skills necessary to assist the physician and other health care team in the diagnosis, treatment, and management of patients with cardiopulmonary diseases and disorders.</b></p>	<p>Compile data from <u>RPT 220</u>: Demonstrate appropriate psychomotor skills and cognitive abilities necessary to successfully function as primary care giver for routine respiratory care procedures.</p> <p><u>RPT 212</u>: Demonstrate an adequate knowledge base concerning function of respiratory care equipment.</p>	<p>Earn a rating of 3 (acceptable) or higher on all indices</p> <p>The student will achieve a passing score of 75% or greater on all assignments and exams.</p>	<p><u>RPT 220</u>: 34/34 total students completed all clinical competencies and lab simulations with an acceptable rating of 3 or higher</p> <p><u>RPT 212</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34</p>	<p>In order to increase success in psychomotor, cognitive and affective skills, the following changes were made in the 220 and 212 assignments and curriculum moving forward:</p> <p>Due to COVID restrictions, students completed clinical course competencies and clinical lab simulations in lieu of on-site clinical hours for RPT220</p> <p>In RPT 212 we increased the amount of time allocated for the emphasis of patient assessment, patient</p>

				interview, physical examination
<p><b>2. Students will demonstrate clinical competence and possess the technical skills necessary to provide respiratory care effectively, accurately, and efficiently in clinical and laboratory areas.</b></p>	<p>Compile data from <u>RPT 214</u>: Demonstrate an adequate understanding of the clinical pharmacology of respiratory care drugs, and the general principles of pharmacology</p> <p>RPT 241: Demonstrate an understanding of discharge planning</p>	<p>The student will achieve a passing score of 75% or greater on all assignments and exams.</p> <p>The student will achieve a passing score of 75% or greater on all assignments and exams.</p>	<p><u>RPT 214</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34</p> <p>RPT 241: Total number of students: Total students who scored 75% or higher: 18/18 Total students who scored 74% or lower: 0/18</p>	<p>In order to increase success in demonstrating clinical competence and technical skills the following changes were made in the 214 and 241 assignments and curriculum moving forward.</p> <p>In RPT 214 the instructor modified the style of the test questions from fill in the blank to NBRC style multiple-choice questions.</p> <p>For RPT 241 invited pulmonary rehab therapist to discuss pulmonary rehab and continuation of affective therapy outside of an acute care facility</p>
<p><b>3. Students will demonstrate effective oral and written communication skills in the classroom/laboratory, clinical settings, and workplace.</b></p>	<p>Data compiled from <u>RPT 211</u>: Demonstrate effective communication skills and knowledge of appropriate professional ethics and behavior.</p>	<p>The student will achieve a passing score of 75% or greater on all assignments and exams.</p>	<p><u>RPT 211</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34</p>	<p>In order to increase success in demonstrating clinical competence and technical skills the following changes were made in the 211 assignments and curriculum moving forward.</p> <p>Downloaded and distributed AARC Code of Ethics document and discussed importance of ethical behavior</p>

<p><b>4. Students will demonstrate knowledge and understanding of the respiratory care code of ethics and display a professional attitude based on the code of ethics and employer expectations.</b></p>	<p>Data compiled from <u>RPT 211</u>: Demonstrate effective communication skills and knowledge of appropriate professional ethics and behavior.</p>	<p>The student will achieve a passing score of 75% or greater on all assignments and exams.</p>	<p><u>RPT 211</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34 .</p>	<p>In order to increase success in demonstrating clinical competence and technical skills the following changes were made in the 211 assignments and curriculum moving forward.</p> <p>Tested on respiratory related medical terminology students should be familiar with before beginning clinicals</p>
<p><b>5. Students will demonstrate knowledge and application of mechanical ventilation and therapeutics.</b></p>	<p>Data compiled from <u>RPT 234</u>: Demonstrate knowledge including indications, modification, and discontinuance of mechanical ventilation.</p>	<p>Earn a 75% or better grade in each core class and lab</p>	<p><u>RPT 234</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34</p>	<p>In order to increase success in demonstrating clinical competence and technical skills the following changes were made in the 234 assignments and curriculum moving forward.</p> <p>Emphasized importance of utilizing specific patient criteria such as ideal body weight, proper tidal volumes, etc. prior to initiating different modes of mechanical ventilation</p>
<p><b>6. Students will demonstrate knowledge and application of cardiopulmonary diagnosis and monitoring.</b></p>	<p>Data compiled from <u>RPT 221</u>: Demonstrate the ability to gather appropriate information from various sources in support of diagnosis of specific cardiopulmonary disease</p>	<p>Earn a 75% or better grade in each core class and lab</p>	<p><u>RPT 221</u>: Total number of students: Total students who scored 75% or higher: 34/34 Total students who scored 74% or lower: 0/34</p>	<p>In order to increase success in demonstrating clinical competence and technical skills the following changes were made in the 221 and 231 assignments and curriculum moving forward.</p> <p>In RPT 221, the students had a hard time understanding</p>

	<p><u>RPT 231</u>: Use clinical and laboratory data to support diagnosis and treatment of the specific disease entities.</p>	<p>Earn a 75% or better grade in each core class and lab</p>	<p><u>RPT 231</u>:  Total number of students:  Total students who scored 75% or higher: 34/34  Total students who scored 74% or lower: 0/34</p>	<p>the concepts covered in CH 4, Pulmonary Function Tests, due to the fact that this class was taught remotely and online through Blackboard collaborative. I added <a href="#">several videos</a> to show demonstrations of how to perform the testing since we were not able to perform a demonstration in person.</p> <p>In RPT 231 we increased emphasis on neuromuscular and sleep disorders, both diagnostically and in disease management.</p>
<p><b>Plan submission date:</b></p>			<p><b>Submitted by: David Trott and Jennifer Chesser</b></p>	

# Lung Volumes & Capacities Video

- Respiratory Therapy - Lung Volumes and Capacities
- **Know your normal values!!!!!!**

# Pulmonary Function Testing Videos

- Pulmonary Function Test Demonstration
- Pulmonary Function Test
- W5 MVV
- FVL Vmax
- W6 Plethysmography
- VMax N2 washout instructions by TO
- SpiroAir 7.2 Helium Dilution
- W4 DLCO Vmax