

RESP2310: Cardiopulmonary Critical Care

Credit Hours: 3.5

Clock Hours: 30/30/0

This lecture/lab course examines the pathologies of the cardiopulmonary symptoms and recognize the manifestations and systems of restrictive and obstructive pulmonary disease. Students study the various types of mechanical ventilators to identify the modalities of continuous mechanical ventilation. They learn how to set up ventilators and monitor a ventilator patient. Students learn how to apply PEEP/CPAP and intermittent mandatory ventilation. They learn the special considerations for continuous mechanical ventilation and long-term life support. They learn the advanced techniques and proper maintenance procedures associated with continuous mechanical ventilation, as well as the indications for and techniques applicable to, the discontinuation of ventilation. They learn to recognize the various pulmonary disease states associated with ventilator patients and how to evaluate the patient's status and response to therapy.