

- RESP 1132 Cardiopulmonary Pharmacology** (2-0-2)
 A general pharmacology course for the respiratory care professional caring for the acute and subacute patient. Emphasis will be placed on the indications, contraindication, hazards, and routes of administration for the drugs discussed. The pharmacology of the major therapeutic classes of drugs important to respiratory care will be presented.
 Corequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1133.
 Prerequisites: None.
 Offered: Spring Semester Sophomore Year.
- RESP 1133 Cardiopulmonary Anatomy & Physiology** (3-0-3)
 A study of the normal & abnormal anatomy & pathophysiology of the cardiac, pulmonary, & renal systems. The mechanisms of homeostatic control for acid/base balance, ventilation, gas transport, & circulation will be addressed. Hemodynamic monitoring will be emphasized.
 Corequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1134.
 Prerequisites: None.
 Offered: Fall Semester Sophomore Year.
- RESP 1134 Cardiopulmonary Diseases & Treatment** (2-0-2)
 A survey course of the clinical pathophysiology of selected cardiopulmonary diseases. The emphasis will be placed on the description of the etiology, clinical manifestation, diagnosis, therapeutics, and prognosis of acute and chronic diseases of the cardiopulmonary patient.
 Student will be required to present clinical case studies on the major cardiopulmonary pathologies.
 Corequisite: RESP 1135, RESP 1136, RESP 1137, RESP 1138.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1132, RESP 1133.
 Offered: Fall.
- RESP 1135 Mechanical Ventilation and Critical Care** (3-6-5)
 This course introduces the critical care modalities of airway management including tracheal suctioning and endotracheal intubation, tracheostomy care, concepts of mechanical ventilation are presented. Other critical care skills such as arterial lines, hemodynamic monitoring, advanced patient monitoring, bronchoscopy, and tracheostomy are presented. Basic math skills are required for this course. Each student may be required to pass a math competency exam to demonstrate proficiency.
 Each student will be required to successfully pass a lab competency exam in order to progress to RESP 2201.
 Corequisite: RESP 1132, RESP 1136, RESP 1137, RESP 1138.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1134, RESP 1133.
 Offered: Spring Semester Sophomore Year.