

RESPIRATORY THERAPY (RESP)

Courses

RESP 201 Introduction to Respiratory Care 2 Credits

Introduction to respiratory therapy. Respiratory history, patient assessment, infection prevention, medical record documentation, cultural, legal, and ethical considerations, and Health Insurance Portability and Accountability Act (HIPAA).

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 202, RESP 203/RESP 203L, and RESP 204.

Terms Typically Offered: Fall.

RESP 202 Cardiopulmonary Anatomy and Physiology 3 Credits

Disease processes of the respiratory system. Pathophysiology in disorders of the brain, heart, skeletal muscles, and kidneys affecting oxygenation and ventilation.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 201, RESP 203/RESP 203L, and RESP 204.

Terms Typically Offered: Fall.

RESP 203 Respiratory Procedures I 2 Credits

Equipment and technology in respiratory therapy. Critical thinking, decision-making, demonstration of equipment and procedural skills, and ensuring patient safety.

Prerequisites: Admission into the Respiratory Therapy program.

Corequisites: RESP 201, RESP 202, RESP 203L, and RESP 204.

Terms Typically Offered: Fall.

RESP 203L Respiratory Procedures I Laboratory 2 Credits

Equipment and technology in respiratory therapy. Critical thinking, decision-making, demonstration of equipment and procedural skills, and ensuring patient safety.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 201, RESP 202, RESP 203, and RESP 204.

Terms Typically Offered: Fall.

Fees: Yes.

RESP 204 Respiratory Pharmacology 3 Credits

Introduction to medication for respiratory therapy. Explores respiratory, cardiac, neuromuscular, sedative, analgesics, and diuretic medications. Also covers drug actions, interactions, chemical composition, and treatments focusing on the respiratory system.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 201, RESP 202, and RESP 203/RESP 203L.

Terms Typically Offered: Fall.

RESP 205 Cardiopulmonary Pathophysiology 3 Credits

Common disease/disorder processes in respiratory therapy patients. Investigation of case studies determining appropriate respiratory care. Development of communication and interdisciplinary collaboration skills.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 206, RESP 207, RESP 208/RESP 208L, and RESP 209.

Terms Typically Offered: Spring.

RESP 206 Cardiopulmonary Diagnostics 2 Credits

Survey of diagnostic techniques used to determine the quality of the patient's respiratory status. Non-invasive monitoring, imaging studies, pulmonary mechanics, cardiac testing, and hemodynamics.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 205, RESP 207, RESP 208/RESP 208L, and RESP 209.

Terms Typically Offered: Spring.

RESP 207 Noninvasive Care Management 2 Credits

Identification of respiratory failure. Noninvasive modalities and approaches used to manage patients in respiratory distress of failure.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 205, RESP 206, RESP 208/RESP 208L, and RESP 209.

Terms Typically Offered: Spring.

RESP 208 Respiratory Procedures II 1 Credit

Advanced respiratory therapy equipment technology. Development of critical thinking, decision-making, equipment, and procedural skills, as well as ensuring patient safety. Also covers lung expansion, inspiratory training, pulmonary hygiene, and heated high flow processes. Completion of Basic Life Support (BLS) training.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 205, RESP 206, RESP 207, RESP 208L, and RESP 209.

Terms Typically Offered: Spring.

RESP 208L Respiratory Procedures II Laboratory 2 Credits

Advanced respiratory therapy equipment technology. Development of critical thinking, decision-making, equipment, and procedural skills, as well as ensuring patient safety. Also covers lung expansion, inspiratory training, pulmonary hygiene, and heated high flow processes. Completion of Basic Life Support (BLS) training.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 205, RESP 206, RESP 207, RESP 208, and RESP 209.

Terms Typically Offered: Spring.

Fees: Yes.

RESP 209 Respiratory Clinical I 2 Credits

Introductory acute care clinical training. Hospital care experience in patient assessment, oxygen therapy, bland aerosol, medication, and noninvasive respiratory modalities.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 205, RESP 206, RESP 207, and RESP 208/RESP 208L.

Terms Typically Offered: Spring.

RESP 211 Mechanical Ventilation 2 Credits

Mechanical ventilation physics and functions. Ventilator modes, management techniques, waveforms, and bundle strategies. Laboratory critical care scenarios of patient disease/disorder processes and protocols. Completion of Advanced Cardiac Life Support (ACLS).

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 211L and RESP 219.

Terms Typically Offered: Summer.

RESP 211L Mechanical Ventilation Laboratory 2 Credits

Mechanical ventilation physics and functions. Ventilator modes, management techniques, waveforms, and bundle strategies. Laboratory critical care scenarios of patient disease/disorder processes and protocols. Completion of Advanced Cardiac Life Support (ACLS).

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 211 and RESP 219.

Terms Typically Offered: Summer.

Fees: Yes.

RESP 213 Fundamentals of Pediatric and Neonatal Care 2 Credits

Exploration of care for antenatal, neonatal, and pediatric patients. Assessment of fetal development, neonatal, and pediatric diseases. Addresses causes of prematurity and high-risk delivery. Completion of Neonatal Resuscitation Provider (NRP) and Pediatric Advanced Life Support (PALS).

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 214 and RESP 229.

Terms Typically Offered: Fall.

Fees: Yes.

RESP 214 Professional Development for Respiratory Care Practitioners 2 Credits

Health care professional development. Preparation for the state and national board exams, and state licensure. Focus on professionalism, interview techniques, hiring, and ethical standards.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 213 and RESP 229.

Terms Typically Offered: Fall.

RESP 219 Respiratory Clinical II 5 Credits

Advanced acute care clinical training. Hospital critical care experience in patient assessment, mechanical ventilation, medication delivery, lung expansion, and advanced diagnostic testing.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 211/RESP 211L.

Terms Typically Offered: Summer.

RESP 229 Respiratory Clinical III 8 Credits

Critical and specialty care training. Intensive care, emergency room, and specialty care evaluation of respiratory therapy.

Prerequisites: Admission to the Respiratory Therapy program.

Corequisites: RESP 213 and RESP 214.

Terms Typically Offered: Fall.