
Respiratory Care

RESP 101 Fundamentals of Respiratory Care I

Prerequisite: Admission into the Respiratory Care program

Credit Hours: 3

This course provides instruction in basic gas physics and basic Respiratory Care. Included is a section on microbiology, patient assessment and professionalism.

RESP 102 Fundamentals of Respiratory Care II

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary & Physiology I, RESP 105 Respiratory Care Pharmacology, RESP 158 Fundamentals of Respiratory Care I Lab

Credit Hours: 3

This course will continue from FRC I in presenting equipment and therapeutics. A diagnostics component will be added. The student will learn about specialized oxygen devices, arterial blood puncture analysis and interpretation, plus pulmonary function testing. In addition emergency care, artificial airways, and the electrical conduction system of the heart will also be taught. There is a separate laboratory class that will include hands on competencies taught in this course..

RESP 105 Respiratory Care Pharmacology

Prerequisite: Admission into the Respiratory Care program

Credit Hours: 3

This course addresses general principles of pharmacology with emphasis on drugs affecting the cardiopulmonary system. An overview of antibiotics, narcotics, and sedatives is presented.

RESP 107 Cardiopulmonary Anatomy and Physiology I

Prerequisite: Admission into the Respiratory Care program

Credit Hours: 2

An in-depth study of cardiopulmonary anatomy and physiology will be presented. Units on renal physiology and acid-base balance are included.

RESP 109 Clinical Practice I

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary & Physiology I, RESP 105 Respiratory Care Pharmacology, RESP 158 Fundamentals of Respiratory Care I Lab

Credit Hours: 2

This clinical course allows the Respiratory Care student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on basic therapeutic modalities, charting, and assessment skills.

RESP 110 Clinical Practice III

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II

Credit Hours: 4

This clinical course allows the Respiratory Care student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on cardiac and pulmonary monitoring and basic Respiratory Care therapeutics.

RESP 113 Neonatal and Pediatric Respiratory Care

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II

Credit Hours: 3

This course will cover neonatal and pediatric Respiratory Care. The course includes units on fetal development, neonatal and pediatric respiratory diseases, pharmacological agents, and Respiratory Care modalities applied to the neonatal and pediatric patient.

*Refer to the Placement Testing Procedure 3.22, page 22 **Refer to Course Transfer, page 17

RESP 115 Introduction to Mechanical Ventilation

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary & Physiology I, RESP 105 Respiratory Care Pharmacology, RESP 158 Fundamentals of Respiratory Care I Lab

Credit Hours: 3

This introductory course covers basic concepts important to understanding mechanical ventilation. The student will concentrate on modes of ventilation, ventilator set-up and trouble-shooting, and charting of mechanical ventilation.

RESP 119 Clinical Practice II

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases

Credit Hours: 1

In this course students will apply skills learned in the classroom in the clinical setting. Emphasis will be placed on Mechanical Ventilation and Adult Critical Care.

RESP 148 RTE Review 2

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II, RESP 110 Clinical Practice III, RESP 113 Neonatal and Pediatric Respiratory Care, RESP 153 CRT Review, RESP 213 Respiratory Care Topics and Procedures

Credit Hours: 2

Students will review pulmonary disease, advanced respiratory therapies and skills, information gathering and decision making. Students will work on test taking skills specific to passing the NBRC RTE (respiratory therapy exam).

RESP 153 RTE Review 1

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II

Credit Hours: 1

Students will review entry level respiratory therapies and skills, information gathering and decision making. Students will work on test taking skills specific to passing the NBRC RTE (respiratory therapy exam).

RESP 158 Fundamentals of Respiratory Care I Lab

Prerequisite: Admission into the Respiratory Care program

Credit Hours: 1

This course is designed to familiarize the student with Respiratory Care procedures and practices in the hospital setting. Patient care experience will include oxygen therapy, medical gas cylinder use, humidity and aerosol therapy, incentive spirometry, chest physiotherapy, bronchial hygiene, isolation techniques, cardiopulmonary resuscitation, and patient assessment.

RESP 160 Fundamentals of Respiratory Care II Lab

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary & Physiology I, RESP 105 Respiratory Care Pharmacology, RESP 158 Fundamentals of Respiratory Care I Lab

Credit Hours: 2

This course will continue from FRC I in presenting equipment and therapeutics. This course is designed to familiarize the student with Respiratory Care procedures and practices taught in FRC II. The student will learn about specialized oxygen devices, cardiopulmonary resuscitation, arterial blood gas puncture analysis and interpretation, bedside pulmonary function testing, artificial airway placement, and electrocardiography.

RESP 161 Advanced Mechanical Ventilation Lab

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases
Credit Hours: 2

This course will continue from FRC III in presenting equipment and therapeutics with mechanical ventilation. This course is designed to familiarize the student with Respiratory Care procedures and practices taught in FRC III.

RESP 203 Advanced Mechanical Ventilation

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases
Credit Hours: 3

This course will include an in-depth study of mechanical ventilation along with weaning procedures and the care of the critically ill patient

RESP 205 Respiratory Diseases

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary & Physiology I, RESP 105 Respiratory Care Pharmacology, RESP 158 Fundamentals of Respiratory Care I Lab
Credit Hours: 3

This course provides the students with an in-depth study of diseases that affect the cardiopulmonary system. Patient evaluation, assessment, diagnosis and treatment of diseases will be addressed.

RESP 207 Critical Care Medicine

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II, RESP 110 Clinical Practice III, RESP 113 Neonatal and Pediatric Respiratory Care, RESP 153 CRT Review, RESP 213 Respiratory Care Topics and Procedures
Credit Hours: 3

This course will cover care of the acutely ill and critically ill patient. Emphasis is placed on application of data obtained during monitoring and assessment of patients. Therapeutic and diagnostic modalities will be addressed.

RESP 211 Clinical Practice IV

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II, RESP 110 Clinical Practice III, RESP 113 Neonatal and Pediatric Respiratory Care, RESP 153 CRT Review, RESP 213 Respiratory Care Topics and Procedures
Credit Hours: 5

In this course students will apply skills learned in the classroom to the clinical setting. Emphasis will be placed on specialized areas of Respiratory Care such as neonatal and pediatric Respiratory Care, long-term ventilator care, home health, and sleep studies.

RESP 212 Respiratory Care Professional Forum

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II, RESP 110 Clinical Practice III, RESP 113 Neonatal and Pediatric Respiratory Care, RESP 153 CRT Review, RESP 213 Respiratory Care Topics and Procedures

Credit Hours: 2

The purpose for this course is to provide students with an opportunity to share significant clinical experiences, to present clinical problems and solutions, to practice communication skills, and the presentation of student in-services. The student will learn how to write an effective resume and practice job-seeking skills, including the interview process. The student will also learn how to write a Respiratory Therapy protocol. This course is concurrent with RESP 211, Clinical Practice III.

RESP 213 Respiratory Care Topics and Procedures

Prerequisite: Advisor Approval: RESP 101 Fundamentals of Respiratory Care I and RESP 158 FRC I Lab, RESP 102 Fundamentals of Respiratory Care II and RESP 160 FRC II Lab, RESP 115 Introduction to Mechanical Ventilation, RESP 107 Cardiopulmonary A&P, RESP 105 RC Pharmacology, RESP 109 Clinical Practice I, RESP 205 Respiratory Diseases, RESP 203 Adv. Mechanical Ventilation and RESP 161 Adv. MV Lab, RESP 119 Clinical Practice II

Credit Hours: 3

This is a course designed to prepare the student for specialized monitoring used by respiratory therapist and includes: invasive hemodynamic monitoring, intracranial pressure monitoring, bronchoscopes, thoracentesis, chest tubes, sleep studies, pulmonary rehabilitation, chest x-rays, and respiratory gas monitoring.

Social Work

SWK 101 (2282) Introduction to Social Work KRSN SOC1020**

Prerequisite: None

Credit Hours: 3

A survey of the human services fields, this course examines social welfare agencies and services, as well as career opportunities in social work.

*Refer to the Placement Testing Procedure 3.22, page 22 **Refer to Course Transfer, page 17