

# RESP: RESPIRATORY CARE (UNDERGRADUATE)

---

## **RESP 4010 Disease Management, Patient Education, and Health Promotion (4 Credits)**

This course will explore the role of a Respiratory Therapist as a Case Manager, Patient Care Transition Coordinator or Patient Navigator. Through an in depth look at chronic respiratory diseases with review of clinical considerations, epidemiology and therapeutic treatment plans, students will discover how the Health Professional can help the patient in the continuum of care from the hospital to home with continued support processes in the home setting. Strategies to develop patient knowledge of assessing changing conditions in their disease status and promote improved health behavior, improved disease perception and self-management skills will be presented. Students will explore methods to improve patients' quality of life, improve control of symptoms, implement early interventions to improve overall management of their disease, reduce exacerbation of their disease and hospital admissions.

## **RESP 4030 Advanced Cardiopulmonary Diagnostics, Rehabilitation & Sleep Medicine (4 Credits)**

This course provides an overview of the pulmonary diagnostic techniques in current practice with the associated pathophysiology for the respective diagnostic procedures to identify and recommend a course of care progression based upon the associated ailments. The course will explore the various cases and clinical presentations with the available research and disease management strategies. Students will be presented with the information for the tools to diagnose disorders through pulmonary function testing polysomnography, and the rehabilitation of the cardiopulmonary patient to provide optimal outcomes.

## **RESP 4035 Advanced Neonatal and Pediatric Respiratory Care (4 Credits)**

This course provides students with advanced concepts of newborn and pediatric respiratory diseases, including assessment, monitoring, and clinical interventions. The latest advances in respiratory newborn and pediatric care research will be reviewed and evidence-based best practices will be applied to patient care scenarios. Advanced procedures and troubleshooting systems applicable to respiratory care will be presented.

## **RESP 4080 Advanced Respiratory Critical Care and Interventions (4 Credits)**

This course will study the interpretation of critical care diagnostic testing and anticipate care based upon the results. The latest advances in respiratory critical care research will be reviewed and best practices for evidence-based interventions will be applied to patient care scenarios. Advanced procedures and troubleshooting systems applicable to respiratory care will be reviewed. Prior to taking this course, students should have an Associate's degree in Respiratory Care with the NBRC RRT credential OR CCRN credential.