

- RESP 1136 Pediatric and Neonatal Respiratory Care** (1-3-2)
 This course presents the physiological and clinical concepts of mechanical ventilation and critical care monitoring of the pediatric and neonatal patient. The course focuses on respiratory care modalities and concepts specifically related to the pediatric and neonatal patient. Some topics include: ventilator design & function, assessment & monitoring of pediatric/neonatal patients, techniques for improving ventilation & oxygenation, weaning strategies, and labor & delivery. Critical thinking skills will be emphasized to support the application of neonatal/pediatric physician and therapist driven protocols.
 Corequisites: RESP 1132, RESP 1135, RESP 1137, RESP 1138.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1134, RESP 1133.
 Offered: Spring Semester.
- RESP 1137 Specialized Areas of Respiratory Care** (2-0-2)
 This course surveys the important principles and practices of Respiratory Care in the following specialty areas: Pulmonary Function Testing, Polysomnography and Sleep Disorders, Pulmonary Rehabilitation, Geriatric Care, and Home Care. Students will apply the knowledge learned in this course in Practicum III.
 Corequisites: RESP 1134, RESP 1135, RESP 1136, RESP 1138.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1132, RESP 1133.
 Offered: Spring Semester.
- RESP 1138 Advanced Cardiac Life Support** (1-3-2)
 This course will prepare the student to take and pass the American Heart Association Advanced Cardiac Life saving Course (ACLS.) Students will take the official AHA ACLS course at the end of this course. Students must pass the ACLS course to pass this course.
 Corequisites: RESP 1132, RESP 1135, RESP 1136, RESP 1137.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1133, RESP 1134.
 Offered: Spring Semester.
- RESP 2201 Respiratory Care Practicum I** (0-36-5)
 An introduction to the respiratory care of the non-critically ill patient in the clinical environment. An emphasis will be placed on departmental protocols, practice guidelines, patient identification, and communication skills. The student will be required to master the following modalities: oxygen therapy, humidity therapy, bland continuous aerosol therapy, medicated nebulizer therapy, passive hyperinflation, chest physiotherapy and postural drainage, arterial blood gas draws and analysis, equipment cleaning and environmental therapy. Basic airway management and bedside pulmonary function testing will also be explored. Equipment theory and application will be reinforced. The student will also be required to successfully complete an intubation rotation in the Operating Room as part of this course. Students will be required to complete weekly logs and case studies for this course.
 Corequisite: RESP 2205.
 Prerequisites: RESP 1100, RESP 1111, RESP 1131, RESP 1132, RESP 1133, RESP 1134, RESP 1135, RESP 1136, RESP 1137, RESP 1138.
 Offered: Summer Semester.