ALLIED HEALTH: RESPIRATORY CARE (AHRC)

AHRC 129 - Patient Care & Assessment. 4 Credits.
Offered autumn. Offered at Missoula College. Prereq., acceptance into Respiratory Care program and BIOH 201N-202N. Introduction to nursing-related knowledge and skills with emphasis on application of microbiology to aseptic technique. Assessment of the respiratory system with cardiopulmonary diagnostic and laboratory tests interpretation. Observation and interpretation of overall patient condition is integrated throughout the course.

AHRC 131 - Respiratory Care Fundamentals I. 5 Credits.
Offered autumn. Offered at Missoula College. Prereq., acceptance into the Respiratory Care program. Orientation to basic respiratory care science including the application of principles of physics and chemistry. Emphasis on theory, operation and troubleshooting of equipment used at the entry level of practice. Introduction to airway pharmacology. Principles of basic chemistry introduced with an application to pharmacology as related to the pulmonary system.

AHRC 132 - Respiratory Care Fundamentals II. 3 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into the Respiratory Care program and AHRC 131. Study of the indications, rationale, methods, instrumentation, and analysis of Blood Gases. Emphasis will be placed on the physiology and clinical implications of acid-base abnormalities. Cardiovascular and related pharmacology studied in preparation for ACLS and ventilator management. Microbiology in relation to equipment processing, pulmonary rehabilitation, respiratory care in alternative settings, patient education, and health promotion.

AHRC 150 - Respiratory Care Lab I. 1 Credit.
Offered autumn. Offered at Missoula College. Prereq., acceptance into the Respiratory Care program. Basic clinical competencies taught in AHRC 131 are studied in a laboratory setting. Peer and instructor review of competencies included. Students earn their BLS certification. Grading is Cr/NCR, thus no letter grade will be assigned.

AHRC 191 - Special Topics. 1-6 Credits.
Offered at Missoula College. Prereq., acceptance into the Respiratory Care program. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

AHRC 231 - Respiratory Critical Care. 4 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into the Respiratory Care program. Continuation of AHRC 131. Physiology, indication, contraindications, and application of mechanical ventilation. Emphasis on patient assessment, monitoring, stabilization and weaning during assisted pressure breathing. Analysis of the various modes of ventilation, including optimizing the patient-ventilator interface in the adult through various advanced airflow techniques.

AHRC 232 - Respiratory Pathology & Disease. 3 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Special lectures in medicine and disease as related to the cardiopulmonary system. Emphasis on recognition of signs and symptoms of disease and implications for treatment through the study of selected case studies.

AHRC 235 - Cardiopulmonary Anatomy & Physiology. 3 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Principles of physiologic chemistry are introduced and applied to the macro and micro anatomy of the cardiopulmonary system with a focus on structure and function. Application made to pathology and assessment of patients receiving mechanical ventilation.

AHRC 243 - Perinatal & Pediatric Respiratory Care. 3 Credits.
Offered autumn. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Study of perinatal and pediatric respiratory care with emphasis on assessment, resuscitation and mechanical ventilation of the neonate and pediatric patient. The theory of Neonatal Resuscitations (NRP) will be presented. Neonatal and pediatric diseases will be studied.

AHRC 250 - Respiratory Care Lab II. 2 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. A continuation of AHRC 150 with emphasis on adult critical care. Clinical competencies taught in AHRC 231 and AHRC 235 are studied in a laboratory setting. Peer and instructor review of competencies included. Grading will be Cr/NCR. No letter grade will be assigned.

AHRC 252 - Respiratory Care Review. 2 Credits.
Offered autumn. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. A review of respiratory care in preparation for credentialing exams. Students must take an Entry Level Self-Assessment Exam, a Written Registry Self-Assessment Exam, and a Clinical Simulation Self-Assessment Exam.

AHRC 255 - Clinical Experience I. 4 Credits.
Offered spring. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Emphasis on the student directly performing basic clinical skills in a patient care setting to include hospitals, home care, and pulmonary function laboratories. Students also participate in physician rounds. Grading will be Cr/NCR.

AHRC 260 - Respiratory Care Lab III. 1 Credit.
Offered summer. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Students study principles and theory of advanced life support. Peer and instructor review are included. Students will be Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) certified at the end of this class. Grading will be Cr/NCR.

AHRC 265 - Clinical Experience II. 5 Credits.
Offered summer. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Continuation of clinical skills learned in AHRC 255. Introduction to adult critical care along with sleep and cardiac diagnostics. Students also participate in physician rounds. Grading will be Cr/NCR.

AHRC 270 - Respiratory Care Lab IV. 1 Credit.
Offered autumn. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Emphasis on neonatal and pediatric critical care. Clinical competencies introduced in AHRC 243 are studied. Peer and instructor review of competencies are included. Grading will be Cr/NCR.

AHRC 275 - Clinical Experience III. 6 Credits.
Offered autumn. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Emphasis on neonatal and pediatric critical care. Clinical competencies introduced in AHRC 243 are studied. Peer and instructor review of competencies are included. Grading will be Cr/NCR.
AHRC 291 - Special Topics. 1-8 Credits.
(R-6) Offered intermittently. Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

AHRC 292 - Independent Study. 1-6 Credits.
Offered at Missoula College. Prereq., acceptance into Respiratory Care program. Course material appropriate to the needs and objectives of the individual student.