

RESP Respiratory Therapy

RESP 2110 Medical Terminology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The language of medicine/health care: word construction, definitions, spelling, abbreviations, symbols and information technology systems. Develop ability to comprehend and discuss medical records and professional journals. Develop effective written and oral communication skills.

RESP 3110 Patient Assessment

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A problem solving approach to evaluation and treatment of patients with cardiopulmonary disease. History taking, physical examination, radiographs, ECG, lab tests, spirometry, and blood gas analysis.

RESP 3120 Respiratory Care Equipment

3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Theory of operation, application, and evaluation of equipment used in respiratory care. Lab emphasis on selection, trouble shooting, quality control, and asepsis.

Corequisite(s): RESP 3110 and RESP 3120L.

RESP 3120L Respiratory Care Equip Lab

0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

Corequisite(s): RESP 3110, RESP 3120, RESP 3151C.

RESP 3151C Clinical Practicum I

1 Credit Hour. 0 Lecture Hours. 6 Lab Hours.

Preclinical skills development, orientation to the hospital environment, and introduction to electronic information systems.

Corequisite(s): RESP 3110.

RESP 3210 Clinical Pharmacology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Principles of pharmacology including pharmacokinetics, dynamics, drug interactions, and toxicology emphasizing drug groups used in treatment of cardiopulmonary disease.

RESP 3220 Respiratory Care Fundamentals

3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Development and implementation of the care plan; evaluation of patient response to therapy with laboratory experience and extensive use of therapeutic protocols and decision making algorithms.

Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3220L Respiratory Care Fund Lab

0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

Corequisite(s): RESP 3220.

RESP 3230 Diagnostic Procedures

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A problem solving approach to evaluation and diagnosis of cardiopulmonary disease with emphasis on procedural protocols, analysis of results, and application to the care plan.

Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3230L Diagnostic Procedures Lab

0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

Corequisite(s): RESP 3230.

RESP 3252C Clinical Practicum Ii

3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.

Application of therapeutic protocols, assessment of patient response to therapy and modifications of the care plan based on patient response outside of the critical care environment.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RESP 3110.

RESP 3315 Princ Of Mech Ventilation

3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Student focus on the operating principles of ventilators used in critical care. Laboratory experience in pneumatic and electronic circuits, setting the control panel, phasing the respiratory cycle, ventilator modes, alarms and troubleshooting will be emphasized.

Prerequisite(s): A minimum grade of "C" in RESP 3210.

RESP 3315L Princ Of Mech Ventilation Lab

0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

Corequisite(s): RESP 3315.

RESP 3325 Managing Ventilator Patient

2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Introduces students to indications for vent support, initiating and monitoring the ventilator-dependent patient, recognizing acute respiratory distress and managing adverse response.

Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3353C Clinical Practicum Iii

3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.

Care of the ventilator-dependent patient in the critical care environment. Patient assessment, airway care, trend monitoring, calibration, and set up of life support systems. CAI used to develop critical thinking skills.

Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3400 Cardiopulmonary Anat & Phys

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Emphasis on cardiopulmonary disease resulting from the most commonly seen illnesses in the region, microbiologically mediated disease (including agents, etiology, and issues related to bioterror), trauma, and lifestyle issues such as both indoor and outdoor air quality, sleep disordered breathing, and obesity.

RESP 3700 Intro Adv Practice Resp Care

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This transitional course is designed to allow students who are entering the program to learn the essentials of scholarly inquiry as they conduct basic research in respiratory therapy.

RESP 4110 Advanced Ventilatory Support

3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Case oriented approach to management of the ventilator dependant patient. Laboratory experience in patient assessment and modification of the care plan based on patient response.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

Corequisite(s): RESP 4110L.

RESP 4110L Adv Vent Support Lab

0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

Corequisite(s): RESP 4110.

RESP 4120 Cardiopulmonary Critical Care

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Hemodynamic monitoring, fluid/electrolyte management, cardiovascular pharmacology and ACLS protocols.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP 4130 Perinatal Care

4 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Care of the pediatric and neonatal patient in the critical care environment. Laboratory experience in patient assessment, initiation and modification of the care plan based on patient response.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP 4130L Perinatal Care Lab

0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

RESP 4140 Cardiopulmonary Medicine

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A problem-solving approach to the pathophysiology and medical management of cardiopulmonary problems encountered in the hospital setting.

RESP 4154C Clinical Practicum Iv

3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.

Advanced monitoring of the CP and CV system in the adult ICU environment. Home/subacute care rotation will emphasize care of the chronically ill patient. Introduction to the role of the RCP in pediatric/neonatal ICU.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP 4215 Prof Issues In Resp Care

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A senior capstone course with emphasis on the economics of health care, fundamental principles of management and leadership, applied research and legal issues.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP 4265C Clinical Internship

12 Credit Hours. 0 Lecture Hours. 36 Lab Hours.

A preceptor-based clinical capstone course designed to facilitate independent practice of respiratory care and transition into the workforce. Students must pass a comprehensive, summative clinical evaluation and earn the CRT credential to earn a passing grade. Evenings, nights, and weekend scheduling will be required. Application and interview required.

Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP 4700 Preceptorship Cardiopul Care

6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

Curriculum provides professional preceptor training program for degree completion candidates. The course is designed to encourage preceptor practice and encourage graduates to serve as mentors and clinical preceptors at their home facility. Specialized training as preceptor for asthma education or sleep disorders specialty credential is encouraged.

Prerequisite(s): A minimum grade of "C" in RESP 3400.