

RADI 218 Radiation Protection II

Prerequisite: RADI 217 Radiation Protection I

Credit Hours: 2

This course establishes a basic knowledge of radiation protection in the areas of dose limits, equipment design, management of radiation dose during diagnostic procedures, and the management of radiation dose to imaging personnel. Introduces an overview of cell biology and molecular and cellular radiation biology.

RADI 219 (5105) Image Analysis

Prerequisite: Entrance into Sophomore year of Radiography Program

Credit Hours: 2

Will provide a basis for analyzing radiographic images. Including the importance of imaging standards, discussion of a problem solving technique for image evaluation and factors that can affect image quality.

RADI 221 (5266) Radiography Comprehensive Review

Prerequisite: Completion of all Radiography courses to date

Credit Hours: 2

Group discussion on current topics in radiologic technology. Review of the principles of radiography and their application to the ARRT examination. Mock registry exams on the computer .

RADI 223 (5106) Critical Thinking and Analysis in Radiography

Prerequisite: Entrance into sophomore year of Radiography Program

Credit Hours: 3

Comprehensive review course with emphasis on critical thinking, problem analysis, and solution judgment skills. Includes group sessions for scenario development.

Religion

RELI 101 (1510) Comparative World Religions KRSN REL1010**

Prerequisite: None

Credit Hours: 3

This course examines different religions and their history, practices, and beliefs.

RELI 105 (1564) New Testament Survey KRSN REL1030**

Prerequisite: None

Credit Hours: 3

An introduction to the New Testament and other early Christian literature in their historical and cultural context.

Respiratory Care

RESP 101 Fundamentals of Respiratory Care I

Prerequisite: Acceptance 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: RESP 101 Fundamentals of Respiratory Care I, RESP 105 Respiratory Care Pharmacology, RESP 107

Cardiopulmonary Anatomy and Physiology I, and 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

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

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: Acceptance 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: Acceptance 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: RESP 101 Fundamentals of Respiratory Care I, RESP 105 Respiratory Care Pharmacology, RESP 107 Cardiopulmonary Anatomy and Physiology I, and 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: RESP 119 Clinical Practice II, RESP 161 Advanced Mechanical Ventilation Lab, and RESP 203 Advanced Mechanical Ventilation

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: RESP 119 Clinical Practice II, RESP 161 Advanced Mechanical Ventilation Lab, and RESP 203 Advanced Mechanical Ventilation

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.

RESP 115 Introduction to Mechanical Ventilation

Prerequisite: RESP 101 Fundamentals of Respiratory Care I, RESP 105 Respiratory Care Pharmacology, RESP 107 Cardiopulmonary Anatomy and Physiology I, and 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: RESP 102 Fundamentals of Respiratory Care II, RESP 109 Clinical Practice I, RESP 115 Introduction to Mechanical Ventilation, RESP 160 Fundamentals of Respiratory Care II Lab, and 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 Respiratory Comprehensive Review

Prerequisite: RESP 110 Clinical Practice III, RESP 213 Respiratory Care Topics and Procedures, RESP 153 CRT-Review, and RESP 113 Neonatal and Pediatric Respiratory Care

Credit Hours: 2

Students will practice on information gathering and decision making skills in a controlled classroom environment. Students will work on test taking skills specific to passing the NBRC RRT written and clinical simulation exams.

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RESP 153 CRT-Review

Prerequisite: RESP 119 Clinical Practice II, RESP 161 Advanced Mechanical Ventilation Lab, and RESP 203 Advanced Mechanical Ventilation

Credit Hours: 1

Students will practice on information gathering and decision making skills in a controlled classroom environment. Students will work on test taking skills specific to passing the NBRC entry level exam.

RESP 158 Fundamentals of Respiratory Care I Lab

Prerequisite: Acceptance 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: RESP 101 Fundamentals of Respiratory Care I, RESP 105 Respiratory Care Pharmacology, RESP 107 Cardiopulmonary Anatomy and Physiology I, and 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: RESP 102 Fundamentals of Respiratory Care II, RESP 109 Clinical Practice I, RESP 115 Introduction to Mechanical Ventilation, RESP 160 Fundamentals of Respiratory Care II Lab, and 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: RESP 102 Fundamentals of Respiratory Care II, RESP 109 Clinical Practice I, RESP 115 Introduction to Mechanical Ventilation, RESP 160 Fundamentals of Respiratory Care II Lab, and 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: RESP 101 Fundamentals of Respiratory Care I, RESP 105 Respiratory Care Pharmacology, RESP 107 Cardiopulmonary Anatomy and Physiology I, and 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: RESP 110 Clinical Practice III, RESP 213 Respiratory Care Topics and Procedures, RESP 153 CRT-Review, and RESP 113 Neonatal and Pediatric Respiratory Care

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: RESP 110 Clinical Practice III, RESP 213 Respiratory Care Topics and Procedures, RESP 153 CRT-Review, and RESP 113 Neonatal and Pediatric Respiratory Care

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: RESP 110 Clinical Practice III, RESP 213 Respiratory Care Topics and Procedures, RESP 153 CRT-Review, and RESP 113 Neonatal and Pediatric Respiratory Care

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: RESP 119 Clinical Practice II, RESP 161 Advanced Mechanical Ventilation Lab, and RESP 203 Advanced Mechanical Ventilation

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.

SWK 102 Basic Helping Skills

Prerequisite: C or better in SWK 101 Introduction to Social Work

Co-requisite: SWK 103 Basic Helping Skills Experience

Credit Hours: 3

This course combines the theories of social work practice with the learning of social work practice skills using common models and theoretical frameworks. This course presents ecological models, the strength-based, problem-solving process, dominant brief therapies, and cultural competence as approaches to practice in social work. This course presents and provides structured practice of the fundamental interpersonal skills required for effective social work practice. The course teaches interviewing skills and critical thinking about interview processes, (from intake through termination and evaluation) and focuses primarily on using those skills with individuals. The models, theories, and processes learned in this course serve as the foundation for generalist practice with individuals, families, groups, and communities. This course will give students an opportunity to practice these skills in a laboratory setting on a weekly basis. This course also includes a 48-hour volunteer experience in a social agency. (SWK 103 Basic Helping Skills Experience)

SWK 103 Basic Helping Skills Experience

Prerequisite: C or better in SWK 101 Introduction to Social Work

Co-requisite: SWK 102 Basic Helping Skills

Credit Hours: 1

Students will be exposed to the social work clinical setting. Students will participate in 48 hours of supervised volunteer service at an approved location.

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