

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 103 (1512) Old Testament Survey (IO)

Prerequisite: None

Credit Hours: 3

A general survey of the people and customs in Old Testament times, places, and periods of history, along with the study of the literary structure of the Old Testament.

RELI 105 (1564) New Testament Survey

Prerequisite: None

Credit Hours: 3

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

Respiratory Therapy

RESP 101 Fundamentals of Respiratory Care I

Prerequisite: Admission into the Respiratory Therapy Program

Credit Hours: 3

This course provides instruction in basic gas physics and basic Respiratory Therapy. 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

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 heart will also be taught. There is a separate laboratory class that will include hands on competencies taught in this course..

*Refer to the Placement Testing Procedure 3.22, page 23 ** Refer to Course Transfer, page 17

RESP 105 Respiratory Care Pharmacology

Prerequisite: Admission into the Respiratory Therapy 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: Admissions into the Respiratory Therapy 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: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy and Physiology, and RC Pharmacology

Credit Hours: 2

This clinical course allows the Respiratory Therapy 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 II

Prerequisite: Successful completion Clinical Practice I, Fundamentals of Respiratory Care I, II, plus Labs, RC Pharmacology, Cardiopulmonary A&P, Intro to Mechanical Ventilation, and Respiratory Diseases

Credit Hours: 5

This clinical course allows the Respiratory Therapy student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on cardiac and pulmonary monitoring and basic Respiratory Therapy therapeutics.

RESP 113 Pediatric Respiratory Care

Prerequisite: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology

Credit Hours: 3

This course will cover neonatal and pediatric Respiratory Therapy. The course includes units on fetal development, neonatal and pediatric respiratory diseases, pharmacological agents, and Respiratory Therapy modalities applied to the neonatal and pediatric patient.

RESP 115 Introduction to Mechanical Ventilation

Prerequisite: RESP 101 Fundamentals of Respiratory Care I, RESP 107 Cardiopulmonary Anatomy and Physiology I, RESP 105 Respiratory Care Pharmacology

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 148 Respiratory Comprehensive Review

Prerequisite: Fundamentals of Respiratory Care I, II, and III, Cardiopulmonary A&P, RC Pharmacology, Clinical Practice I and Clinical Practice II, CRT Review, Respiratory Care Topics and procedures.

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.

RESP 153 CRT-Review

Prerequisite: Fundamentals of Respiratory Care I and II, Introduction to Mechanical Ventilation, Cardiopulmonary A&P, RC Pharmacology, Clinical Practice I and Clinical Practice II

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: Admission into the Respiratory Therapy Program

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Credit Hours: 1

This course is designed to familiarize the student with Respiratory Therapy 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 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 Therapy 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 Fundamentals of Respiratory Care III Lab

Prerequisite: Fundamentals of Respiratory I and II, Introduction to Mechanical Ventilation, Cardiopulmonary Anatomy and Physiology, Pharmacology, Clinical Practice I and II, 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 Therapy procedures and practices taught in FRC III.

RESP 203 Fundamentals of Respiratory Care III

Prerequisite: Fundamentals of Respiratory Care I and II, Cardiopulmonary Anatomy and Physiology, Pharmacology, Clinical Practice I and II, 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: Fundamentals of RC I and Lab, Cardiopulmonary A&P, and RC Pharmacology

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: Fundamentals of Respiratory Care I, II, and III, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology, Clinical Practice I, and II, Pediatric Respiratory Care, Respiratory Diseases, and Topics and Procedures

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 III

Prerequisite: Successful completion Clinical Practice I, and II, Fundamentals of Respiratory Care I, II, III, RC Pharmacology, Cardiopulmonary A&P, Topics and Procedures I and II, Respiratory Diseases

Credit Hours: 5

In this course students will apply skills learned in the classroom to the clinical setting. Emphasis will be placed on specialized areas of Respiratory Therapy such as neonatal and pediatric Respiratory Therapy, long-term ventilator care, home health, and sleep studies.

RESP 212 Respiratory Care Professional Forum

Prerequisite: Fundamentals of Respiratory Care I, II, and III, Respiratory Care Pharmacology, Cardiopulmonary Anatomy and Physiology, Respiratory Care Diseases, Clinical Practice I and II, Respiratory Care Topics and Procedures.

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

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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: Fundamentals of Respiratory Care I, II, III, Cardiopulmonary Anatomy and Physiology, Pharmacology, Respiratory Diseases

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.

HEAL 151 (5819) Advanced Cardiac Life Support

Prerequisite: None

Credit Hours: 1

This course is designed to provide the participant with the skills to respond to acute cardiovascular situations in and out of the hospital setting.

Sociology

SOCI 101 (2280) Sociology KRSN SOC1010**

Prerequisite: None

Credit Hours: 3

This course examines human social interactions and relationships between groups. Within the context of classical and contemporary sociology, the course provides an overview of the study of society, the individual in society, social inequality, social institutions, social change, and social issues.

SOCI 112 (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.

SOCI 122 Basic Helping Skills KRSN SOC1020**

Prerequisite: Co-requisite: SOCI 123 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. (SOCI 123 Basic Helping Skills Experience)

SOCI 123 Basic Helping Skills Experience

Prerequisite: Co-requisite: SOCI 122 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.

SOCI 201 (1350) Marriage and Family

Prerequisite: None

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