

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