

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY RAD 221 – RADIOGRAPHIC PROCEDURES II (4 CR.)

Course Description

Continues procedures for positioning the patient's anatomical structures relative to X-ray beam and image receptor. Emphasizes procedures for routine examination of the skull, contrast studies of internal organs, and special procedures employed in the more complicated investigation of the human body. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

General Course Purpose

The general purpose of this course is topographic bony anatomy of the cranium and the study of the body systems. Radiographic positions, which demonstrate this anatomy, are discussed in lecture and demonstrated in a required 3 hours laboratory section.

Course Prerequisites/Corequisites

Completion of RAD 121 with a grade of " C"

Course Objectives

Upon completing the course, the student will be able to:

1. Demonstrate and show proficiency through laboratory technique in topographic anatomy of the cranium and facial bones.
2. Demonstrate and show proficiency through laboratory technique in anatomy of the following body systems:
 - a. digestive
 - b. respiratory
 - c. urinary
 - d. male/female reproductive
3. Position and obtain adequate radiographs for the following:
 - a. cranial and facial bones
 - b. digestive system
 - c. respiratory system
 - d. male/female reproductive systems
 - e. urinary system

Major Topics to be Included

- A. Topographic anatomy of skull and facial bones
- B. Anatomy of the body systems
- C. Routine and special radiographic positions related to the skull and body systems

Extra Topics to be Included

- A. Image evaluation of anatomy and positioning
- B. Pathologies/congenital anomalies related to the anatomy studied in the course