

Virginia Western Community College

RAD 132

Elementary Clinical Procedures II

Prerequisites

Successful completion of RAD 131.

Course Description

Develops technical skills in fundamental radiographic procedures. Focuses on radiation safety, and manipulation of equipment, patient care, osseous studies, and some contrast studies. Provides clinical experience in cooperating health agencies. Part II of II

Semester Credits: 3

Lecture Hours:

Lab/Clinical/Internship Hours: 15

Required Materials

Textbook:

Radiographic Positioning & Related Anatomy. 9th ed. Kenneth L. Bontrager & John P. Lampignano. Elsevier ISBN: 9780323399661

Radiographic Positioning & Related Anatomy: 9th ed. Workbook. Elsevier ISBN: 9780323481878

Induction to Radiologic & Imaging Science & Patient Care, 7th ed., Arlene Adler & Richard Carlton. Elsevier ISBN 9780323566711

Supplementary Materials:

Several resource textbooks are located in the Radiography Lab

Laboratory facilities are available to radiography students during the day

One-on-one tutoring sessions are available upon request

Course Outcomes

At the completion of this course, the student should be able to:

- Obtain satisfactory radiographic examinations of the bony skeleton including the skull and facial bones, and special studies with and without contrast media, according to the goals and objectives of RAD 121 and 221
- Maintain a working knowledge and improve on skills in RAD 131, Elementary Clinical Procedures I

- Accomplish radiology department rotations, complete and be evaluated in specific performance objectives of RAD 132
- Satisfactorily complete material assigned clinically from RAD 125, Specialized Patient Care Procedures
- Satisfactorily practice positive affective domain characteristics in the clinical environment

Topical Description

I	Performing Clinical Procedures
II	Basic Positioning Skills & Patient Care Concepts
III	Radiographic Technique
IV	Radiology Department Rotations
V	Evaluate the student's affective domain

Specific Course Objectives

I: Performing Clinical Procedures

- Completion of twelve (12) clinical procedure competencies including skull , facial bones when available, special studies, and fluoroscopic examinations
- Three (3) category competencies
- Image evaluation and critique

II: Basic Positioning Skills and Patient Care Concepts

- Perform, with a minimum level of competency, all positioning skills obtained in RAD 121
- Perform, with a minimum level of competency, all patient care concepts obtained in RAD 131 and RAD 125 as outlined in course objectives
- Correctly manipulate radiographic equipment

III: Radiographic Technique

- Patient measurements, setting technical factors, working with CR and DR and making exposures
- Demonstrate correct shielding and radiation protection practices

IV: Radiology Department Rotations

- Satisfactorily complete all assigned clinical rotations
- Maintain a professional relationship with all radiology department personnel
- Satisfactorily manipulate radiographic/fluoroscopic equipment relative to each clinical rotation

V: Affective Domain

- The purpose of evaluating the affective domain is to ensure that the student is:
- Concerned with human welfare and the alleviation of suffering (patient care)
- Able to begin and follow through with a plan and/or task (initiative)
- Able to exchange ideas and information effectively to patients, peers, and staff (communication)
- Able to work together for a common goal (cooperation)
- Capable of being depended upon (dependability)
- Able to put into deliberate order and operation the steps necessary to perform radiographic examinations (organization)
- Generally in a positive frame of mind (attitude)
- Deemed responsible for self and others (responsibility)
- Demonstrate emotional stability and psychological health in day to day interactions with patients, staff, instructors, and other in routine and non-routine decision making processes (emotional health)

ADA Statement

https://www.viriniawestern.edu/wp-content/uploads/2024/12/Syllabus-Statement_ADA.pdf

Title IX Statement

https://www.viriniawestern.edu/wp-content/uploads/2024/12/Syllabus-Statement_Title-IX-2025.pdf

Note to Instructors

1. One-on-one tutorial sessions are available upon request.
2. Students may utilize the energized laboratory under supervision of a faculty member while on campus
3. Students must adhere to the program's radiation policy for holding during exposures per JRCERT standards.
4. Students must adhere to the program's to Direct/Indirect Supervision Procedure & Repeat Policy per JRCERT standards.