

University of Arkansas – Fort Smith
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General Syllabus

RADT 2425 Clinical Education IV

Credit Hours: 5 Lecture Hours: Laboratory Hours: 2 5

Prerequisite: RADT 1324 Clinical Education III

Corequisites: RADT 2412 Radiographic Procedures IV and RADT 2432 Principles of Radiation Biology/Protection

Effective Catalog: 2019-2020

I. Course Information

A. Catalog Description

Fourth in a series of courses that provide the student with the necessary clinical education to be successful in the practice of radiography. Focus will be on fluoroscopy studies, urinary system, and the vertebral column in addition to prior competency examinations.

B. Additional Information - None

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Demonstrate an understanding of radiographic controls utilized in the operation of radiographic equipment.
2. Critique a radiograph based on stated criteria.
3. Master all clinical performance objectives.
4. Produce quality radiographs of the vertebral column, digestive and urinary system.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will think critically to reach viable solutions to a problem and to justify those solutions to produce quality radiographs of the digestive

and urinary system.

Communication Skills (written and oral)

Students will effectively communicate to the patient and be able to explain the procedure in a manner appropriate for the patient's age.

Ethical Decision Making

Students will apply ethical frameworks in relation to patient information and display highest professional behavior in the clinical setting.

III. Major Course Topics

- A. Radiographic Procedures of the Esophagus
- B. Radiographic Procedures of the GI Series and Small Bowel
- C. Radiographic Procedures of the Barium Enema
- D. Radiographic Procedures of the Intravenous Urography (IVP)
- E. Radiographic Procedures Using the C-Arm
- F. Orthopedic Radiographic Procedures Using the Portable Unit
- G. Re-evaluation Examinations from Category I, Category II, and Category III
- H. Available Elective Procedures from Category IV