

University of Arkansas – Fort Smith
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General Syllabus

RADT 1124 Clinical Education I

Credit Hours: 4

Lecture Hours: 0

Laboratory Hours: 20

Prerequisites: ENGL 1203 Composition I, MATH 1403 College Algebra, CPR Certification (American Heart Association “CPR for Healthcare Providers” or American Red Cross “CPR for the Professional Rescuer”) CHEM 1303 Chemical Principles, and BIOL 2203/2201 Human Anatomy/Laboratory

Prerequisite or corequisite: BIOL 2213/2211 Human Physiology/Laboratory

Corequisites: RADT 1104 Introduction to Radiography, RADT 1112 Radiographic Procedures I, and RADT 1232 Radiation Physics

Effective Catalog: 2019-2020

I. Course Information

A. Catalog Description

Provides the student with the opportunity to apply the principles of patient care and positioning concepts learned in the classroom to the performance of radiographic procedures in the clinical setting.

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. Demonstrate competency on all clinical performance objectives.
4. Produce quality chest, abdomen, and upper extremity radiographs.
5. List each radiographic and fluoroscopic room and identify the types of examinations that are performed in them.
6. Identify cassette sizes.
7. Identify the correct procedure for developing a film by automatic processing, computed radiography or digital systems.

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 chest, abdomen, and upper extremities.

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

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

III. Major Course Topics

- A. Manipulation of Equipment
- B. Identify Film Cassette Size
- C. Using Automatic Processing for Film Development
- D. Control Panel
- E. Image Information
- F. Chest Examination
- G. Abdomen Examination
- H. Rib Examination