

University of Arkansas – Fort Smith

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General Syllabus

RADT 1212 Radiographic Procedures II

Credit Hours: 2 **Lecture Hours:** 1 **Laboratory Hours:** 2

Prerequisites: RADT 1112 Radiographic Procedures I

Prerequisite or corequisite: HLTH 1473 Medical Terminology

Corequisites: RADT 1202 Radiographic Exposures I, RADT 1224 Clinical Education II, and RADT 1232 Radiographic Physics

Effective Semester: Spring 2014

I. Course Information

A. Catalog Description

A continuation of RADT 1112 Radiographic Procedures I. Designed to provide instruction for anatomical positioning and terminology necessary to perform standard radiographic procedures. Emphasis is given to routine and special projections of the upper and lower extremities. Laboratory experience will be used to complement the didactic portion of the course.

B. Additional Information

II. Student Learning Outcomes

A. Subject Matter

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

1. List and describe the bony anatomy of the upper limb and shoulder girdle.
2. List and describe the bony anatomy of the lower limb and pelvis.
3. Given drawings and radiographs, locate anatomic structures and landmarks.
4. Explain the rationale for each projection.
5. Explain patient preparation required for each examination.
6. Describe the positioning used to visualize anatomic structures in the upper limb and shoulder girdle
7. Describe the positioning used to visualize anatomic structures in the lower limb and pelvis.
8. List and identify the central ray location and identify the extent of field necessary for each projection.
9. Explain the protective measures that should be taken for each projection.
10. Recommend the technical factors for producing an acceptable radiograph for each projection.
11. State patient instructions for each projection.

12. Given radiographs, evaluate positioning and technical factors for radiographs of the upper limb and shoulder girdle.
13. Given radiographs, evaluate positioning and technical factors for radiographs of the lower limb and pelvis.
14. Describe modifications for procedures for atypical or impaired patients to better demonstrate the anatomic area of interest.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Students will think critically to reach viable solutions to a problem and to justify those solutions.

Technological Skills

Students will use technology to access information. Students will use technology to effectively communicate. Students will use appropriate technology to analyze and evaluate data.

Ethics

Students will apply ethical concepts and rules to determine viable alternatives in any given situation.

III. Major Course Topics

- A. Anatomy and Routine Positioning of Upper Limb and Shoulder Girdle
- B. Alternate Positions/Projections of the Upper Limb and Shoulder Girdle
- C. Anatomy and Routine Positioning of the Lower Limb and Pelvis
- D. Alternate Positions/Projections of the Lower Extremities and Pelvis