

University of Arkansas – Fort Smith
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General Syllabus

RADT 2601 Radiographic Pathology

Credit Hours: 1

Lecture Hours: 1

Laboratory Hours: 0

Prerequisite: RADT 2412 Radiographic Procedures IV

Corequisites: RADT 2611 Senior Seminar, RADT 2502 Imaging Equipment, and RADT 2525 Clinical Education V

Effective Catalog: 2019-2020

I. Course Information

A. Catalog Description

Introduces the nature of disease and the structural and functional changes produced. Presentations will be made on a variety of diseases and their related pathology as it relates to radiographic procedures.

B. Additional Information - None

II. Student Learning Outcomes

A. Subject Matter

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

1. Recognize the various pathologic conditions of various organ systems.
2. Properly execute the appropriate imaging procedure to demonstrate pathology.
3. Apply various modifications of positioning and technique to best demonstrate pathology.
4. Recognize terminology associated with pathologic entities.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will research, evaluate, and compare information from varying sources in order to evaluate authority, accuracy, regency and bias relevant to the problems/issues. Students will generate solutions/analysis of problems/issues evaluated.

Communication Skills (written and oral)

Students will effectively communicate orally in a public setting.

Global and Cultural Perspectives

Students will demonstrate understanding and application of radiographic pathological findings among the different ethnicities within the population.

III. Major Course Topics

- A. Introduction to Pathologic Terminology
- B. Contrast Use and Possible Reactions
- C. Bone and Joint Pathology
- D. Gastrointestinal Tract Pathology
- E. Genito-Urinary Tract Pathology
- F. Chest Pathology
- G. Heart and Vascular Pathology
- H. Neuro-Pathology
- I. Endocrine Related Pathology