

**University of Arkansas – Fort Smith**

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**General Syllabus**

**RADT 2512 Radiographic Procedures V**

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

**Prerequisites:** RADT 2412 Radiographic Procedures IV

**Corequisites:** RADT 2502 Imaging Equipment and RADT 2524 Clinical Education V

**Effective Semester:** Spring 2014

**I. Course Information**

**A. Catalog Description**

The last in a series of courses designed to provide the knowledge and skills necessary to perform standard and special procedures in radiography. Instruction is concentrated on exams of the skull and facial bones. Opportunity to apply knowledge will be available in both laboratory and clinical settings.

**B. Additional Information**

**II. Student Learning Outcomes**

**A. Subject Matter**

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

1. Given radiographs, locate anatomic structures and landmarks.
2. Describe the positioning used to visualize anatomic structures of the skull, facial bones, paranasal sinuses, optic foramen, mandible and mastoids.
3. List and identify the central ray location and identify the extent of field necessary for each projection.
4. Recommend the technical factors for producing an acceptable radiograph.
5. State patient instructions for each projection.
6. Given radiographs, evaluate positioning and technical factors.
7. 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.

**Communication Skills**

Students will compose coherent documents appropriate to the intended audience.

**Technological Skills**

Students will use to access information. Students will use technology to effectively communicate. Students will use appropriate technology to analyze and evaluate data. Utilize scientific principles in the application of the radiography process.

**Ethics**

Students will understand the UA Fort Smith Standards of Conduct and Academic Honesty policies and apply these standards to particular fact situations.

**III. Major Course Topics**

- A. Anatomy and Positioning of the Skull
- B. Anatomy and Positioning of the Facial Bones
- C. Anatomy and Positioning of the Paranasal Sinuses
- D. Anatomy and Positioning of the Orbit
- E. Anatomy and Positioning of the Mandible and TMJ
- F. Anatomy and Positioning of the Mastoids