

ARIZONA WESTERN COLLEGE
SYLLABUS

RAD 105 BASIC RADIOGRAPHIC PROCEDURES

Credit Hours: 4 Lec 3 Lab 2

PREREQUISITE: RAD 100 and concurrent enrollment in the Radiologic Technology program.

COREQUISITES: RAD 110, RAD 115, and RAD 120

COURSE DESCRIPTION

Introduction to radiographic positioning terminology, patient positioning, equipment, manipulation, and evaluation of images for proper visualization of anatomy and pathology.

1. COURSE GOAL

Prepares the students for radiographic positioning of the chest, abdomen, upper and lower extremities, shoulder and pelvis and introduces trauma and common procedures in which contrast media is used.

2. OUTCOMES

Upon satisfactory completion of this course, students will be able to:

- 2.1 Define radiographic positioning terms.
- 2.2 Give the function of the anatomical structures
- 2.3 State the location of the structures in anatomical terms.
- 2.4 Identify the anatomical structures on a diagram, model, bone or skeleton.
- 2.5 Identify anatomical structures utilizing radiographic images.
- 2.6 Correctly position and align anatomical structures and equipment
- 2.7 Evaluate imaging to determine if an image is acceptable or unacceptable.
- 2.8 Determine why an image is unacceptable and implement corrective action
- 2.9 Demonstrate manipulation of equipment
- 2.10 Produce images utilizing the appropriate exposure factors
- 2.11 Apply proper radiation protection and explain the protective measures that should be taken for each examination
- 2.12 Articulate the patient preparation for each examination

3. METHODS OF INSTRUCTION

- 3.1 Lecture/discussion
- 3.2 Group activities
- 3.3 Video/media presentations
- 3.4 Laboratory activities

4. LEARNING ACTIVITIES

- 4.1 Teamwork
- 4.2 Multi-media presentations
- 4.3 Skilled demonstrations

5. EVALUATION

- 5.1 Quizzes/Exams
- 5.2 Assignments
- 5.3 Participation

6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from

the course and fails to complete the requirements of the course, the student will receive a failing grade.

- 6.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
- 6.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized “crib notes”, plagiarism, stealing tests, or forging an instructor’s signature—will be subject to the procedures and consequences outlined in AWC’s Student Code of Conduct.
- 6.5 Texts and Notebooks: Students are required to obtain the class materials for the course.
- 6.6 Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for "No Show" reporting during the first 10 days of each semester.
- Students who have enrolled but have never attended class may be issued a “No Show” (NS) grade by the professor or instructor and receive a final grade of “NS” on their official academic record. An NS grade may result in a student losing their federal financial aid.
- For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):
- Submitting an academic assignment
 - Taking an exam, an interactive tutorial or computer-assisted instruction
 - Attending a study group that is assigned by the school
 - Participating in an online discussion about academic matters
 - Initiating contact with a faculty member to ask a question about the academic subject studied in the course