

ARIZONA WESTERN COLLEGE
SYLLABUS

RAD 221 CLINICAL 5 MEDICAL RADIOLOGIC TECHNOLOGY

Credit Hours: 5 Clin 30

PREREQUISITE: RAD 220

COREQUISITE: RAD 207 and RAD 217 and RAD 225

COURSE DESCRIPTION

Continued clinical practice to further develop, apply, reinforce, and integrate concepts and theories in the performance of radiologic procedures. Concepts of team practice, patient-centered clinical practice, and professional development are practiced, examined, and evaluated. Focuses on patient care and assessment and competent performance of radiologic procedures. Imaging performed under appropriate supervision of a qualified radiographer.

1. COURSE GOAL

Prepares the student to perform radiographic examinations by working in a clinical setting under the appropriate level of supervision.

2. OUTCOMES

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

- 2.1 Demonstrate advanced level skills in proper positioning and radiation exposure of the skeletal system.
- 2.2 Demonstrate intermediate level skills in utilization of the fluoroscopy unit to perform upper and lower gastrointestinal exams using the appropriate contrast media while following radiation safety guidelines.
- 2.3 Demonstrate intermediate level skills in proper positioning and exposure of fluoroscopy using the C-arm in the operating room following radiation safety guidelines.
- 2.4 Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
- 2.5 Integrate the use of appropriate and effective written, oral and nonverbal communication with patients, the public and members of the health care team in the clinical setting.
- 2.6 Maintain patient confidentiality standards and meet HIPAA (Health Insurance Portability and Accountability Act of 1996) requirements.
- 2.7 Provide patient-centered, clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
- 2.8 Adapt procedures to meet age-specific, disease specific and cultural needs of patients.
- 2.9 Critique images for appropriate anatomy, image quality, and patient identifications with the supervising technologist.
- 2.10 Demonstrate competency in principles of radiation protection.
- 2.11 Meet the ARRT radiographic exam and patient care competency requirements to be eligible to sit for the ARRT radiology certification examination.

3. METHODS OF INSTRUCTION

- 3.1 Clinical experiences in a health care setting
- 3.2 Case Study Analysis
- 3.3 Image critique

4. LEARNING ACTIVITIES

- 4.1 Students will participate in clinical experiences that support the competency development needed to perform the radiological exams that are specified in the course
- 4.2 Students will use critical thinking skills to participate in discussions and presentations that support the understanding and performance of the course competencies.

5. EVALUATION

- 5.1 Competency evaluations
- 5.2 Affective evaluations
- 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